

# Converting Colors

XYZ(77.3727, 91.0417,  
101.0835)

Have a look what the booklet for  
XYZ(77.3727, 91.0417, 101.0835)  
contains.

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# **Color**

**XYZ(77.2964, 91.0112,  
100.6817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCFFF6
RGB	204, 255, 246
RGB Percent	80%, 100%, 96%
CMY	0.2000, 0.0000, 0.0353
CMYK	0.20, 0.00, 0.04, 0.00
HSL	169°, 100%, 90%
HSV	169°, 20%, 100%
XYZ	77.2964, 91.0112, 100.6817
YIQ	238.7250, -27.5070, -13.6110

# Conversions

## Conversions Part 2

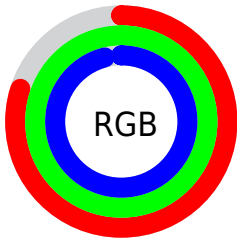
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 232, 255
Decimal	13434870
CIELab	96.41, -17.84, -1.03
CIELCh	96, 17.869, 183.300
Yxy	91.0112, 0.2874, 0.3383
Android (android.graphics.Color)	4291624950 (0xFFCCFF6)
YUV	238.7250, 3.5866, -30.4538
Hunter-Lab	95.3998, -22.3224, 4.2072

# Details

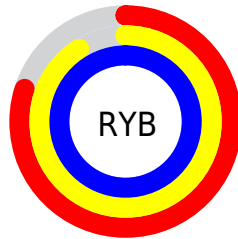
The XYZ color **77.2964, 91.0112, 100.6817** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8438, 69.2511, 72.3734**, and the grayscale version is **81.8183, 86.0793, 93.7403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8828, 50.4954, 56.2543** is the 20% darker color. If you saturate the color by 10%, you get **70.1880, 87.4255, 96.7886**, and if you desaturate by 10%, it is **85.5677, 95.1944, 104.7195**.

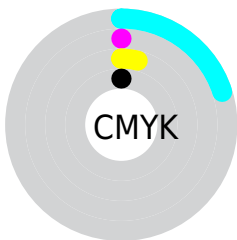
# Distribution



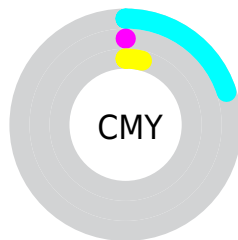
- Red (80%)
- Green (100%)
- Blue (96%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2964, 91.0112, 100.6817 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.2964, 91.0112, 100.6817 by changing the saturation by 10% instead.



77.2964, 91.0112,  
100.6817

77.2964, 91.0112,  
100.6817

474.6505,  
531.3148, 583.6414

57.7969, 68.8196,  
76.2499

128.5284,  
148.7422, 164.1537

41.8881, 50.5648,  
56.1296

160.9917,  
185.0504, 204.0310

29.2044, 35.8624,  
39.9021

198.5070,  
226.8330, 249.8940

19.3805, 24.3279,  
27.1490

241.4396,  
274.4743, 302.1610

12.0512, 15.5771,  
17.4518

290.1549,  
328.3587, 361.2507

6.8510, 9.2254,  
10.3918

345.0182,

3.4146, 4.8885,

388.8707, 427.5817

5.5505

406.3950,  
456.3946, 501.5724

■ 1.3766, 2.1820,  
2.5094

■ 0.2395, 0.7101,  
0.8451

■ 77.2964, 91.0112,  
100.6817

■ 77.2964, 91.0112,  
100.6817

■ 70.1880, 87.4255,  
96.7886

■ 85.5677, 95.1944,  
104.7195

■ 64.1839, 84.4072,  
93.0325

95.0500, 100.0000,  
108.9000

■ 59.2246, 81.9256,  
89.4114

■ 55.2440, 79.9466,  
85.9216

■ 52.1681, 78.4322,  
82.5590

■ 49.9123, 77.3386,  
79.3190

■ 48.3758, 76.6141,  
76.1962

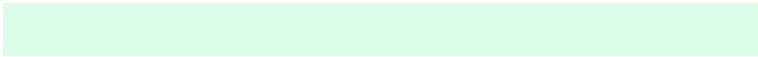
■ 47.3938, 76.1735,  
73.1824

■ 47.3937, 76.1735,  
73.1821

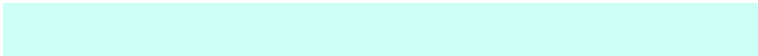
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2322, 91.0112, 87.2834



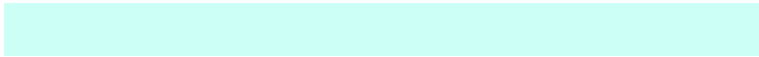
77.2964, 91.0112, 100.6817



78.7485, 91.0112, 114.9181

# Triad

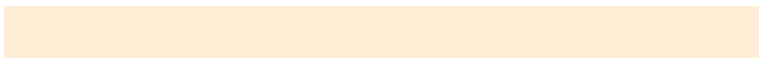
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2964, 91.0112, 100.6817



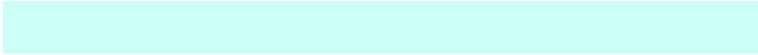
91.8648, 91.0112, 123.8149



90.8752, 91.0112, 76.5711

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



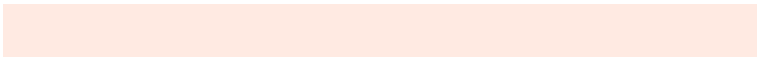
77.2964, 91.0112, 100.6817



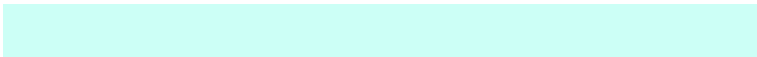
74.8438, 69.2511, 72.3734

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7515, 91.0112, 84.7967



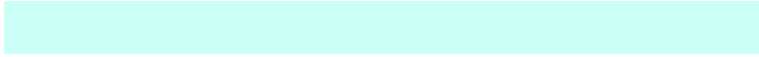
77.2964, 91.0112, 100.6817



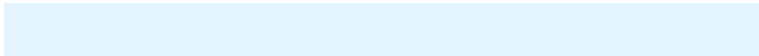
95.3380, 91.0112, 111.9284

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2964, 91.0112, 100.6817



87.0554, 91.0112, 129.0549



96.4140, 91.0112, 97.5265

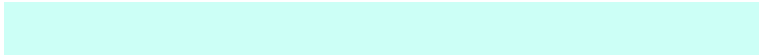


85.9537, 91.0112, 74.1738



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



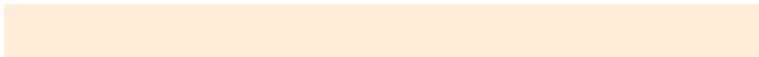
77.2964, 91.0112, 100.6817



80.9090, 91.0112, 122.7357



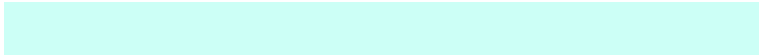
96.4140, 91.0112, 97.5265



92.3499, 91.0112, 78.7046

# Sweetspot

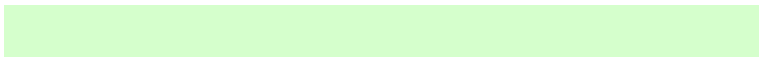
The Sweet Spot groups the original color and five complimentary colors.



77.2973, 91.0117, 100.6832



89.2118, 97.0401, 106.3739



74.2022, 90.0786, 70.6044



18.9647, 20.7046, 22.7102



0.0000, 0.0000, 0.0000

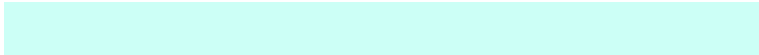


20.3446, 21.4041, 23.3091

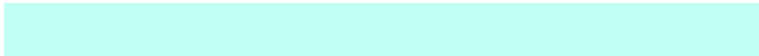


# Same Dimension

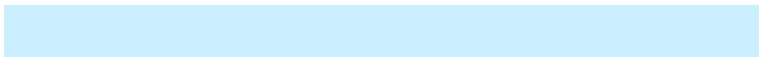
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2973, 91.0117, 100.6832



74.3166, 89.5068, 99.1082



73.7754, 81.7034, 106.4897



18.4092, 20.4232, 22.4578



24.8144, 39.8223, 38.5034



2.4505, 3.8911, 3.9303



# Inverse Universe

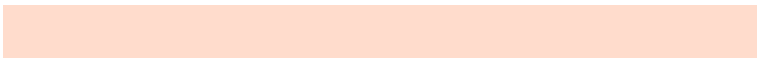
The Inverse Universe completely reimagines the original color for something new.



74.8438, 69.2511, 72.3734



71.4583, 64.1430, 66.1184



77.7724, 76.8858, 67.8697



18.1402, 18.0394, 19.3554



21.8339, 11.2228, 2.5096

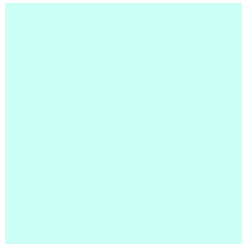


2.1600, 1.1064, 0.4239



# Previews

## White Background



This preview shows how the XYZ color 77.2964, 91.0112, 100.6817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

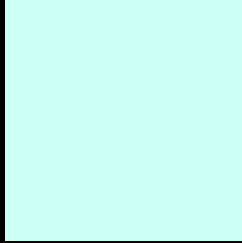
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2964, 91.0112, 100.6817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

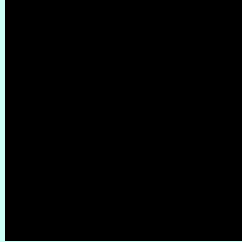
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

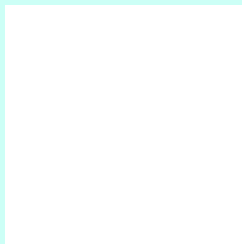
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.2964, 91.0112, 100.6817

## Background



This preview shows how black text looks on a background with the XYZ color 77.2964, 91.0112, 100.6817.



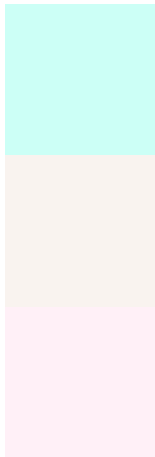
This preview shows how white text looks on a background with the XYZ color 77.2964, 91.0112,

100.6817.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

77.2964, 91.0112, 100.6817

### Protanopia

86.6975, 90.4729, 94.5549

### Deuteranopia

89.1886, 90.2956, 100.7237



## Tritanopia

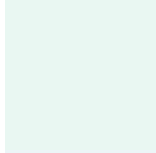
84.2658, 90.7305, 107.6792

# Trichromacy



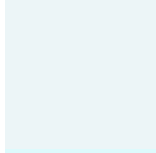
## Original Color

77.2964, 91.0112, 100.6817



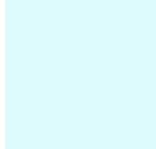
## Protanomaly

82.8920, 90.2560, 97.0567



## Deuteranomaly

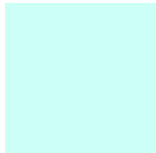
84.0330, 89.8531, 100.9101



## Tritanomaly

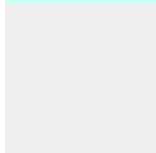
81.5751, 90.7716, 105.3167

# Monochromacy



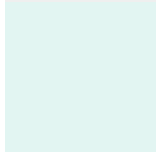
## Original Color

77.2964, 91.0112, 100.6817



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

80.0435, 87.8844, 96.7490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2964, 91.0112, 100.6817 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2964, 91.0112, 100.6817 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 246) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(204, 255, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(204, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2964, 91.0112, 100.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
255, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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