

# Converting Colors

XYZ(77.8967, 91.2513,  
103.8432)

Have a look what the booklet for  
XYZ(77.8967, 91.2513, 103.8432)  
contains.

<b>XYZ(77.9172, 91.2595, 103.9507)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.9172, 91.2595,  
103.9507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFFA
RGB	204, 255, 250
RGB Percent	80%, 100%, 98%
CMY	0.2000, 0.0000, 0.0196
CMYK	0.20, 0.00, 0.02, 0.00
HSL	174°, 100%, 90%
HSV	174°, 20%, 100%
XYZ	77.9172, 91.2595, 103.9507
YIQ	239.1810, -28.7910, -12.3670

# Conversions

## Conversions Part 2

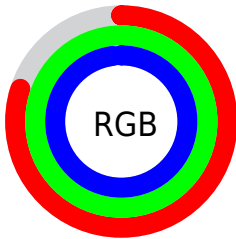
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 231, 255
Decimal	13434874
CIELab	96.52, -17.03, -2.94
CIELCh	97, 17.285, 189.789
Yxy	91.2595, 0.2853, 0.3341
Android (android.graphics.Color)	4291624954 (0xFFCCFFFA)
YUV	239.1810, 5.3338, -30.8537
Hunter-Lab	95.5298, -21.5869, 2.3545

# Details

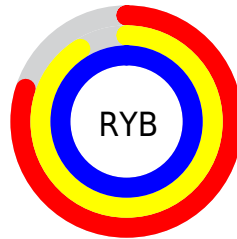
The XYZ color **77.9172, 91.2595, 103.9507** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3423, 69.0505, 69.7320**, and the grayscale version is **82.1607, 86.4394, 94.1325**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3261, 50.6728, 58.5889** is the 20% darker color. If you saturate the color by 10%, you get **71.1019, 87.7910, 101.6008**, and if you desaturate by 10%, it is **85.8840, 95.3209, 106.3845**.

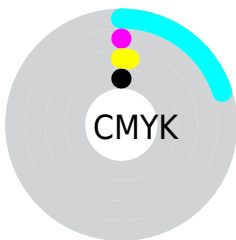
# Distribution



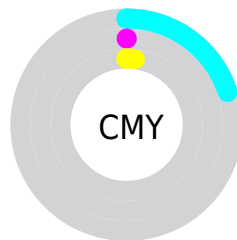
- Red (80%)
- Green (100%)
- Blue (98%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9172, 91.2595, 103.9507 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 77.9172, 91.2595, 103.9507 by changing the saturation by 10% instead.



77.9172, 91.2595,  
103.9507

77.9172, 91.2595,  
103.9507

476.7297,  
532.1195, 594.1406

58.3085, 69.0257,  
78.9688

129.3994,  
149.0867, 168.6749

42.3009, 50.7327,  
58.3490

162.0036,  
185.4489, 209.2543

29.5291, 35.9959,  
41.6727

199.6703,  
227.2893, 255.8699

19.6278, 24.4310,  
28.5215

242.7650,  
274.9925, 308.9403

12.2314, 15.6537,  
18.4767

291.6529,  
328.9426, 368.8840

6.9748, 9.2794,  
11.1198

346.6994,

3.4926, 4.9239,

389.5243, 436.1196

6.0323

408.2699,  
457.1218, 511.0656

■ 1.4193, 2.2027,  
2.7956

■ 0.2699, 0.7214,  
0.9912

■ 77.9172, 91.2595,  
103.9507

■ 77.9172, 91.2595,  
103.9507

■ 71.1019, 87.7910,  
101.6008

■ 85.8840, 95.3209,  
106.3845

■ 65.3793, 84.8854,  
99.3276

95.0500, 100.0000,  
108.9000

■ 60.6903, 82.5119,  
97.1297

■ 56.9687, 80.6365,  
95.0038

■ 54.1407, 79.2212,  
92.9465

■ 52.1217, 78.2224,  
90.9536

■ 50.8111, 77.5882,  
89.0203

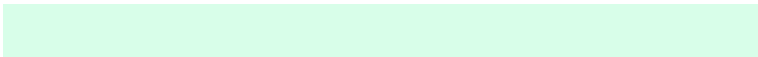
■ 50.0441, 77.2336,  
87.1389

■ 50.0440, 77.2336,  
87.1387

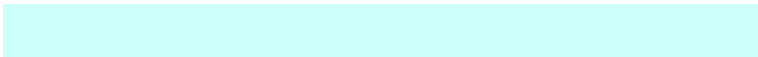
# Harmonies

## Analogous

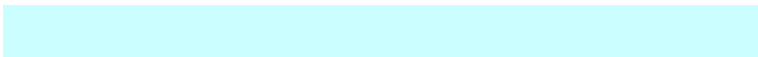
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3239, 91.2595, 90.4692



77.9172, 91.2595, 103.9507



79.8062, 91.2595, 117.3520

# Triad

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



77.9172, 91.2595, 103.9507



92.8111, 91.2595, 121.2054



89.9832, 91.2595, 76.4663

# Complementary

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



77.9172, 91.2595, 103.9507



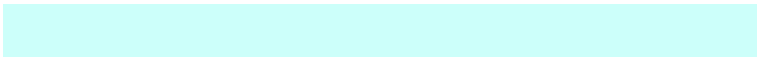
74.3423, 69.0505, 69.7320

# 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.



94.0630, 91.2595, 83.3187



77.9172, 91.2595, 103.9507



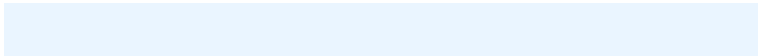
95.7372, 91.2595, 108.8280

# Square

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



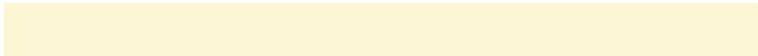
77.9172, 91.2595, 103.9507



88.3258, 91.2595, 127.9064



96.2036, 91.2595, 94.9183



85.1721, 91.2595, 75.4224

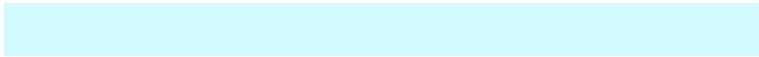


# Rectangle

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



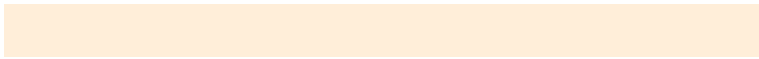
77.9172, 91.2595, 103.9507



82.1558, 91.2595, 124.1326



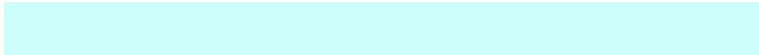
96.2036, 91.2595, 94.9183



91.4904, 91.2595, 78.1344

# Sweetspot

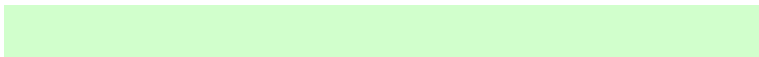
The Sweet Spot groups the original color and five complimentary colors.



77.9182, 91.2600, 103.9522



89.4029, 97.1166, 107.3804



72.9829, 89.4500, 70.5474



19.0100, 20.7227, 22.9488



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

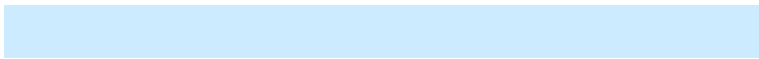
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9182, 91.2600, 103.9522



75.0560, 89.8026, 103.0018



72.5468, 79.2462, 106.0802



18.4736, 20.4490, 22.7969



26.1805, 40.3688, 45.6971



2.5704, 3.9391, 4.5617



# Inverse Universe

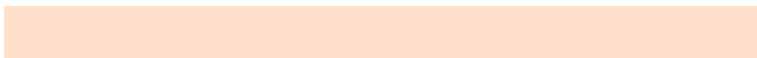
The Inverse Universe completely reimagines the original color for something new.



74.3423, 69.0505, 69.7320



70.8890, 63.9153, 63.1206



78.9031, 79.1472, 68.2468



18.0817, 18.0160, 19.0473



21.6642, 11.1550, 1.6160



2.1324, 1.0953, 0.2784



# Previews

## White Background



This preview shows how the XYZ color 77.9172, 91.2595, 103.9507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

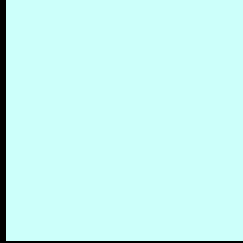
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9172, 91.2595, 103.9507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

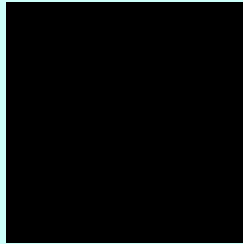
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.9172, 91.2595, 103.9507

## Background



This preview shows how black text looks on a background with the XYZ color 77.9172, 91.2595, 103.9507.



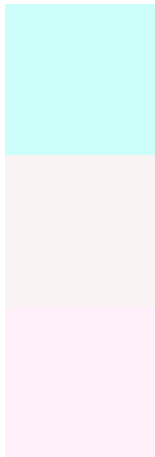
This preview shows how white text looks on a background with the XYZ color 77.9172, 91.2595,



# 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

77.9172, 91.2595, 103.9507

### Protanopia

87.2952, 90.7120, 97.7022

### Deuteranopia

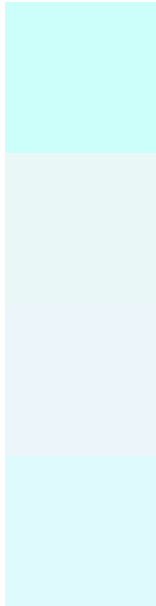
89.4990, 90.4197, 102.3582



## **Tritanopia**

84.5895, 90.8973, 107.6943

# Trichromacy



## Original Color

77.9172, 91.2595, 103.9507

## Protanomaly

83.4996, 90.4990, 100.2559

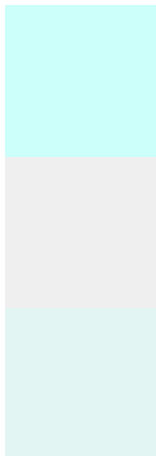
## Deuteranomaly

84.3434, 89.9772, 102.5445

## Tritanomaly

82.0394, 90.9927, 106.1679

# Monochromacy



## Original Color

77.9172, 91.2595, 103.9507

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.1941, 87.9446, 97.5424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9172, 91.2595, 103.9507 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9172, 91.2595, 103.9507 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, 250) }
```



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

```
.border{ border-color:rgb(204, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9172, 91.2595, 103.9507 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, 250) }
```

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

```
.background{ background-color: rgb(204,  
255, 250) }
```

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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