

# Converting Colors

XYZ(78.6062, 91.5357,  
107.5528)

Have a look what the booklet for  
XYZ(78.6062, 91.5357, 107.5528)  
contains.

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# **Color**

**XYZ(78.5512, 91.5131,  
107.2896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFFE
RGB	204, 255, 254
RGB Percent	80%, 100%, 100%
CMY	0.2000, 0.0000, 0.0039
CMYK	0.20, 0.00, 0.00, 0.00
HSL	179°, 100%, 90%
HSV	179°, 20%, 100%
XYZ	78.5512, 91.5131, 107.2896
YIQ	239.6370, -30.0750, -11.1230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 230, 255
Decimal	13434878
CIE <sub>Lab</sub>	96.62, -16.22, -4.85
CIE <sub>LCh</sub>	97, 16.925, 196.636
Yxy	91.5131, 0.2832, 0.3300
Android (android.graphics.Color)	4291624958 (0xFFCCFFFE)
YUV	239.6370, 7.0810, -31.2536
Hunter-Lab	95.6625, -20.8379, 0.4674

# Details

The XYZ color **78.5512, 91.5131, 107.2896** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8530, 68.8548, 67.1560**, and the grayscale version is **82.5037, 86.8004, 94.5256**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6666, 50.8089, 60.3817** is the 20% darker color. If you saturate the color by 10%, you get **72.0455, 88.1685, 106.5698**, and if you desaturate by 10%, it is **86.2035, 95.4487, 108.0671**.

# Distribution



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



- Red (80%)
- Yellow (90%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5512, 91.5131, 107.2896 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 78.5512, 91.5131, 107.2896 by changing the saturation by 10% instead.



78.5512, 91.5131,  
107.2896

78.5512, 91.5131,  
107.2896

478.8480,  
532.9407, 604.7646

58.8312, 69.2363,  
81.7515

130.2881,  
149.4384, 173.2782

42.7231, 50.9042,  
60.6261

163.0358,  
185.8556, 214.5657

29.8615, 36.1323,  
43.4949

200.8567,  
227.7552, 261.9402

19.8810, 24.5364,  
29.9393

244.1163,  
275.5214, 315.8200

12.4164, 15.7320,  
19.5409

293.1798,  
329.5386, 376.6239

7.1021, 9.3347,  
11.8810

348.4127,

3.5729, 4.9601,

390.1913, 444.7702

6.5411

410.1803,  
457.8639, 520.6776

■ 1.4635, 2.2239,  
3.1028

■ 0.3008, 0.7330,  
1.1473

■ 78.5512, 91.5131,  
107.2896

■ 78.5512, 91.5131,  
107.2896

■ 72.0455, 88.1685,  
106.5698

■ 86.2035, 95.4487,  
108.0671

■ 66.6275, 85.3846,  
105.9006

95.0500, 100.0000,  
108.9000

■ 62.2382, 83.1310,  
105.2805

■ 58.8113, 81.3735,  
104.7066

■ 56.2731, 80.0742,  
104.1754

■ 54.5390, 79.1893,  
103.6829

■ 53.5084, 78.6671,  
103.2244

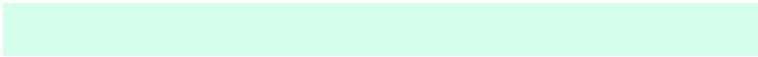
■ 53.0167, 78.4227,  
102.7922

■ 53.0166, 78.4227,  
102.7922

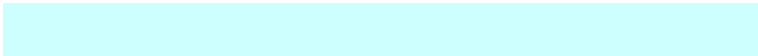
# Harmonies

## Analogous

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



78.4256, 91.5131, 93.7403



78.5512, 91.5131, 107.2896



80.8818, 91.5131, 119.8110

# Triad

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



78.5512, 91.5131, 107.2896



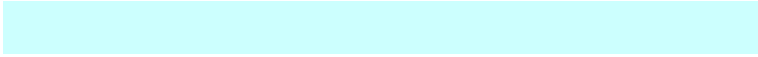
93.7639, 91.5131, 118.6253



89.1003, 91.5131, 76.3807

# Complementary

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



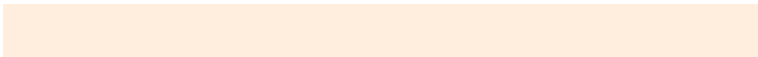
78.5512, 91.5131, 107.2896



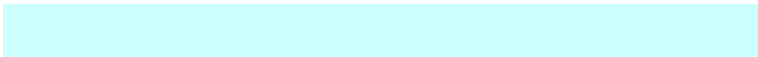
73.8530, 68.8548, 67.1560

# 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.



93.3782, 91.5131, 81.8743



78.5512, 91.5131, 107.2896



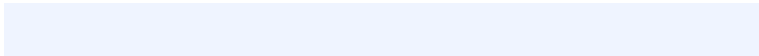
96.1358, 91.5131, 105.7868

# Square

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



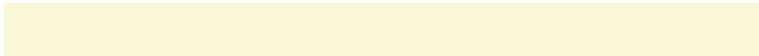
78.5512, 91.5131, 107.2896



89.6113, 91.5131, 126.7508



95.9921, 91.5131, 92.3671



84.4017, 91.5131, 76.7037

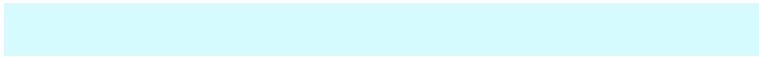


# Rectangle

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



78.5512, 91.5131, 107.2896



83.4221, 91.5131, 125.5269



95.9921, 91.5131, 92.3671



90.6386, 91.5131, 77.5855

# Sweetspot

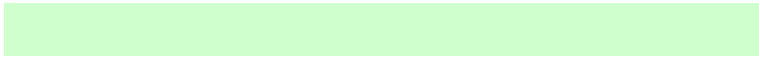
The Sweet Spot groups the original color and five complimentary colors.



78.5522, 91.5136, 107.2911



89.5952, 97.1935, 108.3932



72.0305, 88.9590, 70.5028



19.0557, 20.7410, 23.1891



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

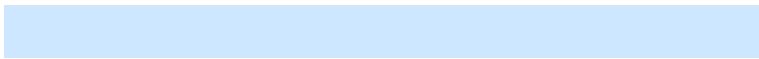
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5522, 91.5136, 107.2911



75.8145, 90.1060, 106.9961



71.5848, 77.3223, 105.7595



18.5386, 20.4750, 23.1393



27.7093, 40.9803, 53.7479



2.7027, 3.9920, 5.2581



# Inverse Universe

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



73.8530, 68.8548, 67.1560



70.3374, 63.6946, 60.2157



79.8282, 80.9974, 68.5551



18.0238, 17.9928, 18.7425



21.5693, 11.1170, 1.1165

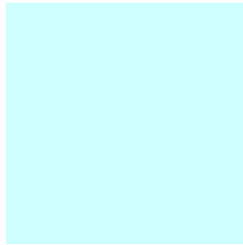


2.1050, 1.0844, 0.1342



# Previews

## White Background



This preview shows how the XYZ color 78.5512, 91.5131, 107.2896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

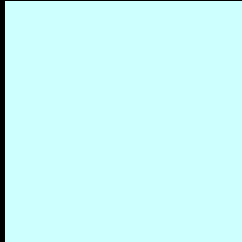
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5512, 91.5131, 107.2896 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 78.5512, 91.5131, 107.2896

## Background



This preview shows how black text looks on a background with the XYZ color 78.5512, 91.5131, 107.2896.



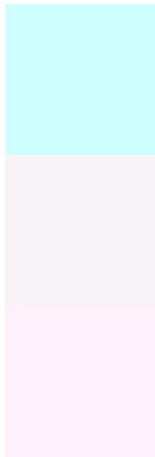
This preview shows how white text looks on a background with the XYZ color 78.5512, 91.5131,



# 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

78.5512, 91.5131, 107.2896

### Protanopia

87.5505, 90.7730, 100.9022

### Deuteranopia

90.2660, 91.1989, 104.9411



## Tritanopia

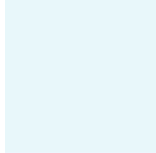
84.5895, 90.8973, 107.6943

# Trichromacy



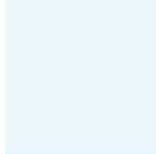
## Original Color

78.5512, 91.5131, 107.2896



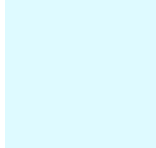
## Protanomaly

83.7948, 90.5795, 103.5096



## Deuteranomaly

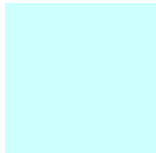
85.2775, 90.8363, 105.9671



## Tritanomaly

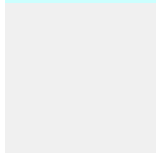
82.3598, 91.1208, 107.8550

# Monochromacy



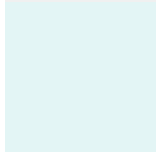
## Original Color

78.5512, 91.5131, 107.2896



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.8124, 88.2283, 99.1567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5512, 91.5131, 107.2896 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5512, 91.5131, 107.2896 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, 254) }
```



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

```
.border{ border-color:rgb(204, 255, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5512, 91.5131, 107.2896 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, 254) }
```

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

```
.background{ background-color: rgb(204,  
255, 254) }
```

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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