

# Converting Colors

XYZ(78.3807, 91.4449,  
106.3916)

Have a look what the booklet for  
XYZ(78.3807, 91.4449, 106.3916)  
contains.

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# Color

**XYZ(78.3915, 91.4492,  
106.4483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFFD
RGB	204, 255, 253
RGB Percent	80%, 100%, 99%
CMY	0.2000, 0.0000, 0.0078
CMYK	0.20, 0.00, 0.01, 0.00
HSL	178°, 100%, 90%
HSV	178°, 20%, 100%
XYZ	78.3915, 91.4492, 106.4483
YIQ	239.5230, -29.7540, -11.4340

# Conversions

## Conversions Part 2

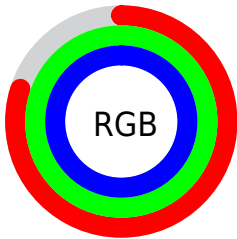
Format	Color
R <sub>Y</sub> B	204, 230, 255
Decimal	13434877
CIE Lab	96.59, -16.42, -4.37
CIE LCh	97, 16.993, 194.899
Yxy	91.4492, 0.2837, 0.3310
Android (android.graphics.Color)	4291624957 (0xFFCCFFFD)
YUV	239.5230, 6.6442, -31.1537
Hunter-Lab	95.6291, -21.0263, 0.9424

# Details

The XYZ color **78.3915, 91.4492, 106.4483** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9743, 68.9034, 67.7941**, and the grayscale version is **82.4180, 86.7101, 94.4273**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5523, 50.7633, 59.7801** is the 20% darker color. If you saturate the color by 10%, you get **71.8068, 88.0730, 105.3128**, and if you desaturate by 10%, it is **86.1234, 95.4167, 107.6448**.

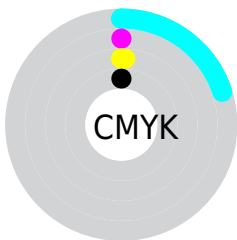
# Distribution



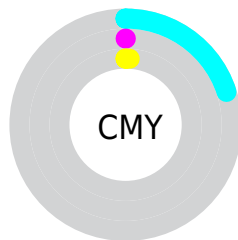
- Red (80%)
- Green (100%)
- Blue (99%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3915, 91.4492, 106.4483 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 78.3915, 91.4492, 106.4483 by changing the saturation by 10% instead.




 78.3915, 91.4492,  
106.4483

 78.3915, 91.4492,  
106.4483

478.3149,  
532.7338, 602.0969

 58.6995, 69.1832,  
81.0498

130.0643,  
149.3498, 172.1197

 42.6167, 50.8609,  
60.0514


162.7759,  
185.7532, 213.2296

 29.7777, 36.0980,  
43.0345

200.5580,  
227.6378, 260.4138

 19.8172, 24.5099,  
29.5806

243.7761,  
275.3881, 314.0907

 12.3697, 15.7123,  
19.2711

292.7955,  
329.3885, 374.6789

 7.0700, 9.3208,  
11.6875

347.9815,

 3.5526, 4.9510,

390.0233, 442.5970

6.4113

409.6995,  
457.6770, 518.2635

■ 1.4523, 2.2185,  
3.0240

■ 0.2930, 0.7301,  
1.1069

■ 78.3915, 91.4492,  
106.4483

■ 78.3915, 91.4492,  
106.4483

■ 71.8068, 88.0730,  
105.3128

■ 86.1234, 95.4167,  
107.6448

■ 66.3105, 85.2578,  
104.2311

95.0500, 100.0000,  
108.9000

■ 61.8435, 82.9731,  
103.2019

■ 58.3395, 81.1848,  
102.2221

■ 55.7248, 79.8549,  
101.2883

■ 53.9149, 78.9397,  
100.3964

■ 52.8091, 78.3874,  
99.5418

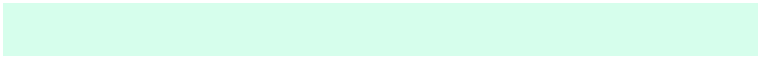
■ 52.2428, 78.1131,  
98.7168

■ 52.2427, 78.1131,  
98.7167

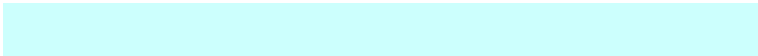
# Harmonies

## Analogous

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



78.3993, 91.4492, 92.9145



78.3915, 91.4492, 106.4483



80.6113, 91.4492, 119.1938

# Triad

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



78.3915, 91.4492, 106.4483



93.5251, 91.4492, 119.2674



89.3202, 91.4492, 76.4004

# Complementary

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



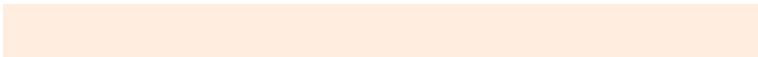
78.3915, 91.4492, 106.4483



73.9743, 68.9034, 67.7941

# 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.



93.5490, 91.4492, 82.2323



78.3915, 91.4492, 106.4483



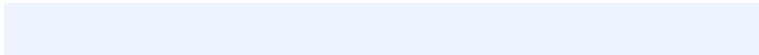
96.0362, 91.4492, 106.5415

# Square

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



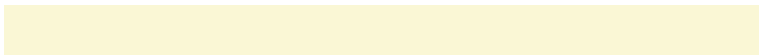
78.3915, 91.4492, 106.4483



89.2885, 91.4492, 127.0402



96.0451, 91.4492, 92.9996



84.5932, 91.4492, 76.3804



# Rectangle

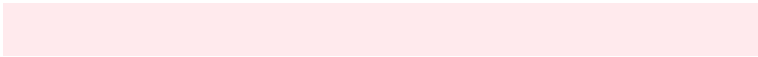
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



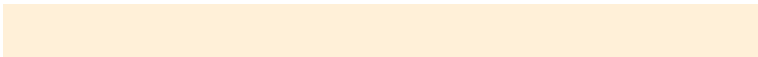
78.3915, 91.4492, 106.4483



83.1037, 91.4492, 125.1785



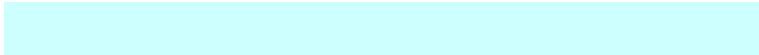
96.0451, 91.4492, 92.9996



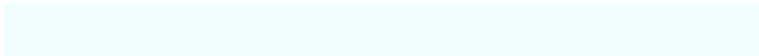
90.8508, 91.4492, 77.7208

# Sweetspot

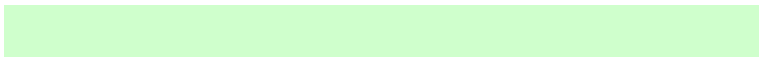
The Sweet Spot groups the original color and five complimentary colors.



78.3925, 91.4497, 106.4498



89.5470, 97.1742, 108.1394



72.2668, 89.0808, 70.5140



19.0442, 20.7364, 23.1289



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

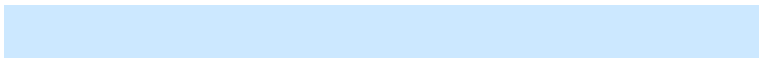
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3925, 91.4497, 106.4498



75.6231, 90.0294, 105.9881



71.8237, 77.7999, 105.8391



18.5223, 20.4685, 23.0534



27.3116, 40.8212, 51.6534



2.6684, 3.9783, 5.0778



# Inverse Universe

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



73.9743, 68.9034, 67.7941



70.4737, 63.7492, 60.9332



79.5953, 80.5315, 68.4776



18.0382, 17.9986, 18.8184



21.5898, 11.1252, 1.2247

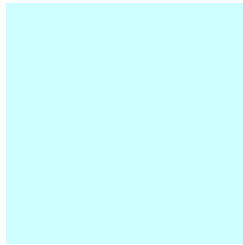


2.1118, 1.0871, 0.1703



# Previews

## White Background



This preview shows how the XYZ color 78.3915, 91.4492, 106.4483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

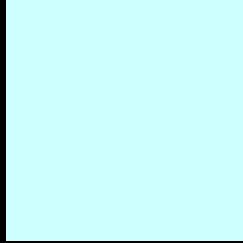
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3915, 91.4492, 106.4483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

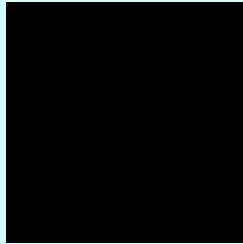
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

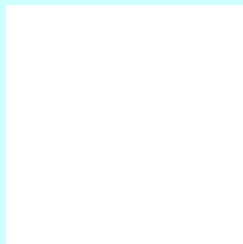
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.3915, 91.4492, 106.4483

## Background



This preview shows how black text looks on a background with the XYZ color 78.3915, 91.4492, 106.4483.



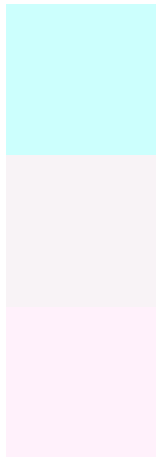
This preview shows how white text looks on a background with the XYZ color 78.3915, 91.4492,



# 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

78.3915, 91.4492, 106.4483

### Protanopia

87.3965, 90.7115, 100.0915

### Deuteranopia

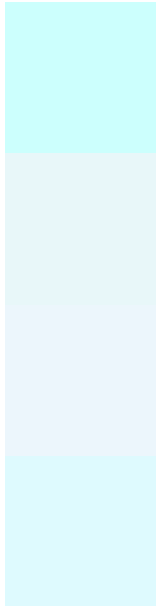
90.1079, 91.1356, 104.1085



## Tritanopia

84.5895, 90.8973, 107.6943

# Trichromacy



## Original Color

78.3915, 91.4492, 106.4483

## Protanomaly

83.6384, 90.5169, 102.6858

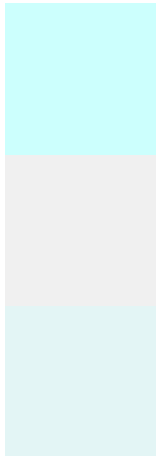
## Deuteranomaly

85.1185, 90.7727, 105.1301

## Tritanomaly

82.1992, 91.0566, 107.0092

# Monochromacy



## Original Color

78.3915, 91.4492, 106.4483

## 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 78.3915, 91.4492, 106.4483 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3915, 91.4492, 106.4483 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, 253) }
```



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

```
.border{ border-color:rgb(204, 255, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3915, 91.4492, 106.4483 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, 253) }
```

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

```
.background{ background-color: rgb(204,  
255, 253) }
```

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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