

# Converting Colors

XYZ(78.8950, 91.2844,  
108.0692)

Have a look what the booklet for  
XYZ(78.8950, 91.2844, 108.0692)  
contains.

<b>XYZ(78.9454, 91.2254, 108.0551)</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(78.9454, 91.2254,  
108.0551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFEFF
RGB	206, 254, 255
RGB Percent	81%, 100%, 100%
CMY	0.1921, 0.0039, 0.0000
CMYK	0.19, 0.00, 0.00, 0.00
HSL	181°, 100%, 90%
HSV	181°, 19%, 100%
XYZ	78.9454, 91.2254, 108.0551
YIQ	239.7620, -28.9290, -9.8650

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 230, 255
Decimal	13565695
CIE <sub>Lab</sub>	96.50, -14.92, -5.52
CIE <sub>LCh</sub>	97, 15.913, 200.303
Y <sub>xy</sub>	91.2254, 0.2837, 0.3279
Android (android.graphics.Color)	4291755775 (0xFFCEFEFF)
YUV	239.7620, 7.5123, -29.6093
Hunter-Lab	95.5120, -19.6069, -0.2179

# Details

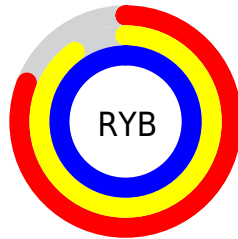
The XYZ color **78.9454, 91.2254, 108.0551** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6932, 70.3409, 68.0347**, and the grayscale version is **82.5997, 86.9013, 94.6355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9218, 50.5890, 60.9285** is the 20% darker color. If you saturate the color by 10%, you get **72.2690, 87.5424, 107.6961**, and if you desaturate by 10%, it is **86.7755, 95.5086, 108.4692**.

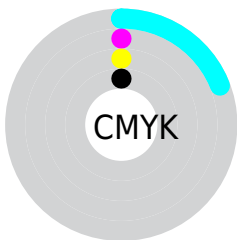
# Distribution



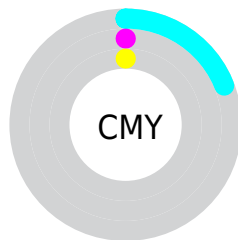
- Red (81%)
- Green (100%)
- Blue (100%)



- Red (81%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9454, 91.2254, 108.0551 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 78.9454, 91.2254, 108.0551 by changing the saturation by 10% instead.



78.9454, 91.2254,  
108.0551

78.9454, 91.2254,  
108.0551

480.1625,  
532.0090, 607.1867

59.1564, 68.9974,  
82.3902

130.8403,  
149.0394, 174.3316

42.9859, 50.7096,  
61.1496

163.6770,  
185.3942, 215.7802

30.0685, 35.9776,  
43.9145

201.5935,  
227.2267, 263.3273

20.0389, 24.4169,  
30.2666

244.9553,  
274.9213, 317.3912

12.5318, 15.6431,  
19.7873

294.1278,  
328.8625, 378.3906

7.1817, 9.2720,  
12.0580

349.4762,

3.6233, 4.9190,

389.4345, 446.7439

6.6602

411.3660,  
457.0219, 522.8698

■ 1.4913, 2.1998,  
3.1753

■ 0.3199, 0.7199,  
1.1848

■ 78.9454, 91.2254,  
108.0551

■ 78.9454, 91.2254,  
108.0551

■ 72.2690, 87.5424,  
107.6961

■ 86.7755, 95.5086,  
108.4692

■ 66.6837, 84.4201,  
107.3878

95.0500, 100.0000,  
108.9000

■ 62.1322, 81.8314,  
107.1281

■ 58.5489, 79.7425,  
106.9137

■ 55.8605, 78.1156,  
106.7414

■ 53.9837, 76.9077,  
106.6072

■ 52.8193, 76.0678,  
106.5064

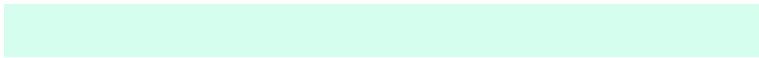
■ 52.2180, 75.5188,  
106.4321

■ 52.1803, 75.4806,  
106.4268

# Harmonies

## Analogous

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



78.5624, 91.2254, 95.2680



78.9454, 91.2254, 108.0551



81.3685, 91.2254, 119.3507

# Triad

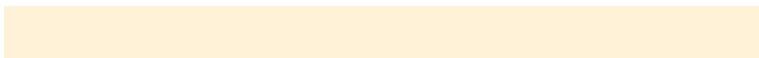
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9454, 91.2254, 108.0551



93.4420, 91.2254, 115.7756



88.1527, 91.2254, 77.1284

# Complementary

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



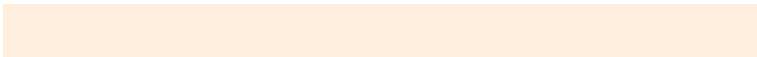
78.9454, 91.2254, 108.0551



74.6932, 70.3409, 68.0347

# 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.



92.2741, 91.2254, 81.6818



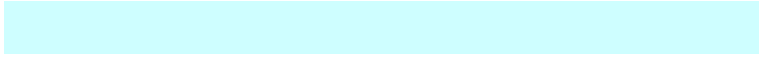
78.9454, 91.2254, 108.0551



95.3959, 91.2254, 103.5036

# Square

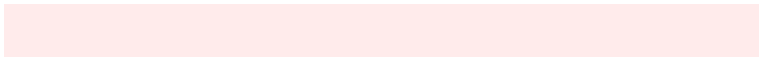
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9454, 91.2254, 108.0551



89.7027, 91.2254, 124.0652



94.9614, 91.2254, 91.0857



83.7788, 91.2254, 78.1207

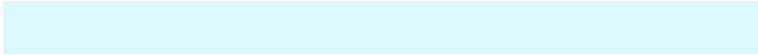


# Rectangle

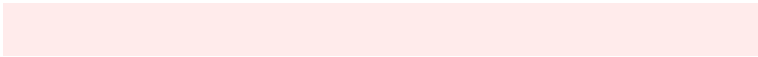
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



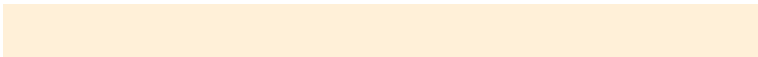
78.9454, 91.2254, 108.0551



83.8618, 91.2254, 124.1679



94.9614, 91.2254, 91.0857



89.6159, 91.2254, 78.0453

# Sweetspot

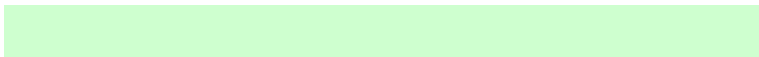
The Sweet Spot groups the original color and five complimentary colors.



78.9478, 91.2290, 108.0557



89.5444, 97.0147, 108.6140



72.4548, 89.1384, 72.3024



19.0436, 20.6985, 23.2415



0.0000, 0.0000, 0.0000

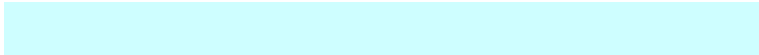


20.3446, 21.4041, 23.3091

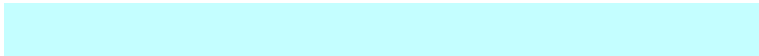


# Same Dimension

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



78.9478, 91.2290, 108.0557



76.2873, 89.7652, 107.9134



71.7135, 76.7605, 105.6443



18.5214, 20.4144, 23.2141



27.2797, 39.4689, 55.6151



2.6658, 3.8623, 5.4183



# Inverse Universe

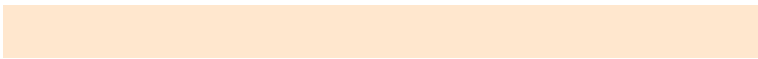
The Inverse Universe completely reimagines the original color for something new.



81.2022, 72.5600, 103.4958



78.9178, 68.0415, 102.5796



81.0459, 83.0464, 70.1522



18.7758, 18.2936, 22.7026



30.5577, 14.7124, 48.4489

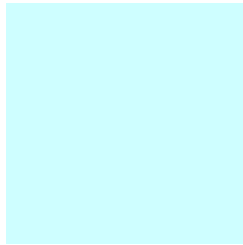


2.9802, 1.4344, 4.7430



# Previews

## White Background



This preview shows how the XYZ color 78.9454, 91.2254, 108.0551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

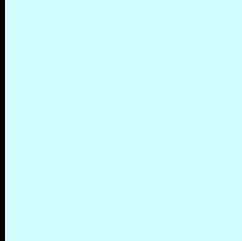
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9454, 91.2254, 108.0551 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 78.9454, 91.2254, 108.0551

## Background



This preview shows how black text looks on a background with the XYZ color 78.9454, 91.2254, 108.0551.



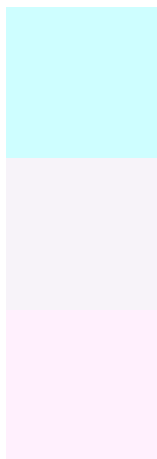
This preview shows how white text looks on a background with the XYZ color 78.9454, 91.2254,



# 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

78.9454, 91.2254, 108.0551

### Protanopia

87.5072, 90.7149, 102.5201

### Deuteranopia

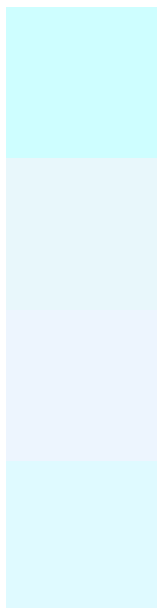
90.1297, 90.6720, 105.6796



## Tritanopia

84.5895, 90.8973, 107.6943

# Trichromacy



## Original Color

78.9454, 91.2254, 108.0551

## Protanomaly

83.9521, 90.6424, 104.3378

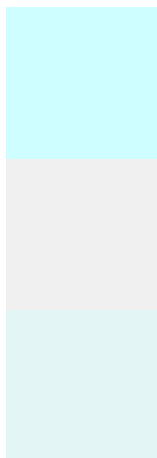
## Deuteranomaly

85.4669, 90.4651, 106.7229

## Tritanomaly

82.6670, 91.2792, 107.8694

# Monochromacy



## Original Color

78.9454, 91.2254, 108.0551

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.1287, 88.3914, 99.1715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9454, 91.2254, 108.0551 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(206, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 254, 255)  
}
```

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(206, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9454, 91.2254, 108.0551 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(206, 254, 255) }
```



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

```
.border{ border-color:rgb(206, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(206, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9454, 91.2254, 108.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 254, 255) }
```

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

```
.background{ background-color: rgb(206,  
254, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor