

# Converting Colors

XYZ(81.3063, 92.4789,  
108.1727)

Have a look what the booklet for  
XYZ(81.3063, 92.4789, 108.1727)  
contains.

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# Color

**XYZ(81.2234, 92.3998,  
108.1618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FEFF
RGB	214, 254, 255
RGB Percent	84%, 100%, 100%
CMY	0.1608, 0.0039, 0.0000
CMYK	0.16, 0.00, 0.00, 0.00
HSL	181°, 100%, 92%
HSV	181°, 16%, 100%
XYZ	81.2234, 92.3998, 108.1618
YIQ	242.1540, -24.1610, -8.1690

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 234, 255
Decimal	14089983
CIE <sub>Lab</sub>	96.98, -12.52, -4.76
CIE <sub>LCh</sub>	97, 13.392, 200.812
Yxy	92.3998, 0.2882, 0.3279
Android (android.graphics.Color)	4292280063 (0xFFD6FEFF)
YUV	242.1540, 6.3331, -24.6911
Hunter-Lab	96.1248, -17.3898, 0.5729

# Details

The XYZ color **81.2234, 92.3998, 108.1618** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6777, 74.7146, 73.9473**, and the grayscale version is **84.4872, 88.8871, 96.7981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4574, 51.3806, 61.0004** is the 20% darker color. If you saturate the color by 10%, you get **74.1605, 88.4702, 107.7755**, and if you desaturate by 10%, it is **89.4567, 96.9386, 108.6039**.

# Distribution



- Red (84%)
- Green (100%)
- Blue (100%)



- Red (84%)
- Yellow (92%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2234, 92.3998, 108.1618 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 81.2234, 92.3998, 108.1618 by changing the saturation by 10% instead.



81.2234, 92.3998,  
108.1618

81.2234, 92.3998,  
108.1618

487.7202,  
535.8068, 607.5239

61.0375, 69.9727,  
82.4793

134.0259,  
150.6674, 174.4783

44.5081, 51.5043,  
61.2226

167.3733,  
187.2767, 215.9494

31.2698, 36.6101,  
43.9731

205.8385,  
229.3822, 263.5205

20.9572, 24.9058,  
30.3123

249.7870,  
277.3683, 317.6100

13.2050, 16.0069,  
19.8217

299.5840,  
331.6195, 378.6366

7.6478, 9.5290,  
12.0827

355.5950,

3.9203, 5.0878,

392.5200, 447.0187

6.6768

418.1853,  
460.4543, 523.1750

■ 1.6572, 2.2989,  
3.1854

■ 0.4292, 0.7731,  
1.1901

■ 81.2234, 92.3998,  
108.1618

■ 81.2234, 92.3998,  
108.1618

■ 74.1605, 88.4702,  
107.7755

■ 89.4567, 96.9386,  
108.6039

■ 68.2068, 85.1109,  
107.4409

95.0500, 100.0000,  
108.9000

■ 63.3064, 82.2955,  
107.1558

■ 59.3956, 79.9912,  
106.9171

■ 56.4038, 78.1616,  
106.7217

■ 54.2514, 76.7657,  
106.5657

■ 52.8448, 75.7552,  
106.4447

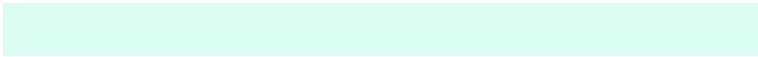
■ 52.0681, 75.0704,  
106.3535

■ 51.8679, 74.8558,  
106.3226

# Harmonies

## Analogous

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



80.8634, 92.3998, 97.3309



81.2234, 92.3998, 108.1618



83.3244, 92.3998, 117.5626

# Triad

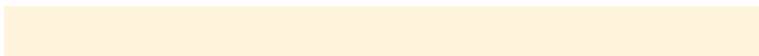
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2234, 92.3998, 108.1618



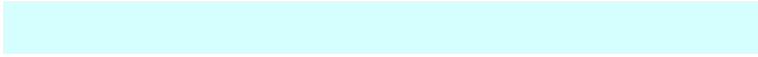
93.5594, 92.3998, 114.2964



88.9851, 92.3998, 81.4829

# Complementary

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



81.2234, 92.3998, 108.1618



77.6777, 74.7146, 73.9473

# 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.



92.4812, 92.3998, 85.3667



81.2234, 92.3998, 108.1618



95.1714, 92.3998, 103.9572

# Square

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



81.2234, 92.3998, 108.1618



90.4228, 92.3998, 121.2765



94.7712, 92.3998, 93.4137



85.2740, 92.3998, 82.4316

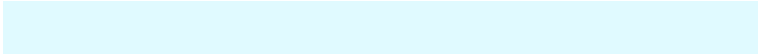


# Rectangle

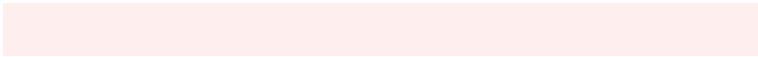
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2234, 92.3998, 108.1618



85.4635, 92.3998, 121.5046



94.7712, 92.3998, 93.4137



90.2260, 92.3998, 82.2556

# Sweetspot

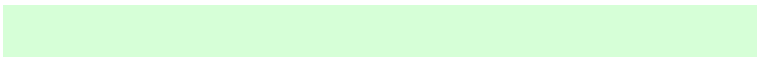
The Sweet Spot groups the original color and five complimentary colors.



81.2258, 92.4035, 108.1623



90.4152, 97.4643, 108.6548



75.7177, 90.7067, 77.5959



19.2184, 20.7878, 23.2495



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

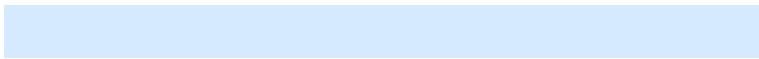
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2258, 92.4035, 108.1623



79.0427, 91.1929, 108.0437



75.1533, 80.2586, 106.1382



18.5149, 20.4013, 23.2120



27.1192, 39.1479, 55.5616



2.6520, 3.8347, 5.4137



# Inverse Universe

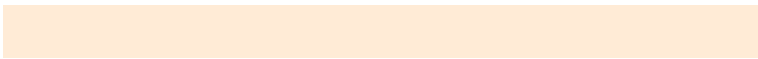
The Inverse Universe completely reimagines the original color for something new.



83.1774, 76.5105, 104.1545



81.3052, 72.8124, 103.3876



83.1391, 85.6376, 75.7678



18.7725, 18.2923, 22.6852



30.4767, 14.6800, 48.0222



2.9732, 1.4317, 4.7064



# Previews

## White Background



This preview shows how the XYZ color 81.2234, 92.3998, 108.1618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

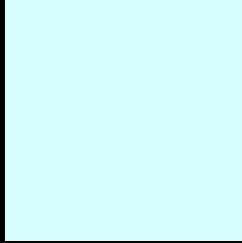
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2234, 92.3998, 108.1618 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 81.2234, 92.3998, 108.1618

## Background



This preview shows how black text looks on a background with the XYZ color 81.2234, 92.3998, 108.1618.



This preview shows how white text looks on a background with the XYZ color 81.2234, 92.3998,



# Color Blindness Simulation

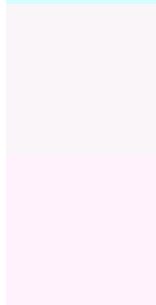
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

81.2234, 92.3998, 108.1618



### Protanopia

88.8182, 92.2841, 102.7539

### Deuteranopia

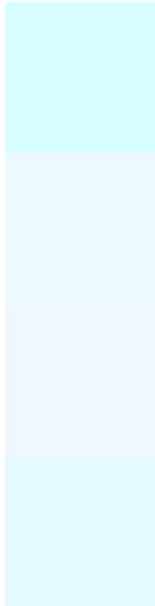
90.5628, 91.7925, 105.0400



## Tritanopia

86.2095, 92.1877, 107.8580

# Trichromacy



## Original Color

81.2234, 92.3998, 108.1618

## Protanomaly

85.5721, 91.9327, 104.5014

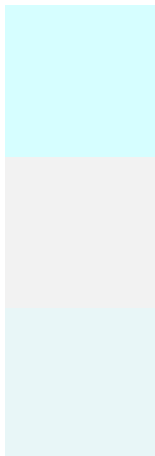
## Deuteranomaly

86.6206, 91.5286, 106.0299

## Tritanomaly

84.2305, 92.0852, 107.9425

# Monochromacy



## Original Color

81.2234, 92.3998, 108.1618

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.0230, 89.7827, 100.9497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2234, 92.3998, 108.1618 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(214, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2234, 92.3998, 108.1618 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(214, 254, 255) }
```



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

```
.border{ border-color:rgb(214, 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(214, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2234, 92.3998, 108.1618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 254, 255) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

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