

# Converting Colors

XYZ(85.4294, 100.0000,  
225.0743)

Have a look what the booklet for  
XYZ(85.4294, 100.0000, 225.0743)  
contains.

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# Color

**XYZ(58.3242, 81.0672,  
107.1813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DFFFF
RGB	93, 255, 255
RGB Percent	36%, 100%, 100%
CMY	0.6353, 0.0000, 0.0000
CMYK	0.64, 0.00, 0.00, 0.00
HSL	180°, 100%, 68%
HSV	180°, 64%, 100%
XYZ	58.3242, 81.0672, 107.1813
YIQ	206.5620, -96.5520, -34.3440

# Conversions

## Conversions Part 2

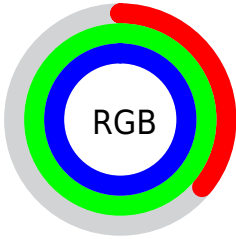
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 174, 255
Decimal	6160383
CIE <sub>Lab</sub>	92.16, -41.33, -12.47
CIE <sub>LCh</sub>	92, 43.166, 196.787
Yxy	81.0672, 0.2365, 0.3288
Android (android.graphics.Color)	4284350463 (0xFF5DFFFF)
YUV	206.5620, 23.8799, -99.5939
Hunter-Lab	90.0373, -41.9369, -7.5533

# Details

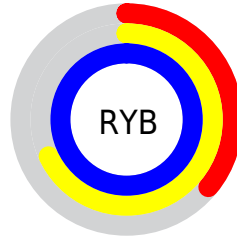
The XYZ color **58.3242, 81.0672, 107.1813** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.1313, 29.8807, 13.6414**, and the grayscale version is **58.9234, 61.9921, 67.5093**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **56.1598, 79.9514, 107.0800**, and if you desaturate by 10%, it is **61.3505, 82.6273, 107.3229**.

# Distribution



- Red (36%)
- Green (100%)
- Blue (100%)



- Red (36%)
- Yellow (68%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3242, 81.0672, 107.1813 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 58.3242, 81.0672, 107.1813 by changing the saturation by 10% instead.





 58.3242, 81.0672,  
107.1813


 58.3242, 81.0672,  
107.1813


408.3273,  
498.5221, 604.4216

 42.3136, 60.5969,  
81.6611


 101.5151,  
134.8651, 173.1291

 29.5391, 43.9000,  
60.5521


 129.4261,  
168.9616, 214.3938

 19.6354, 30.5919,  
43.4356

 162.0346,  
208.3689, 261.7438

 12.2370, 20.2883,  
29.8931

199.7060,  
253.4715, 315.5976

 6.9786, 12.6048,  
19.5061

242.8056,  
304.6537, 376.3737

 3.4950, 7.1570,  
11.8560

291.6988,

 1.4206, 3.5605,

362.2999, 444.4907

6.5244

346.7509,  
426.7946, 520.3672

■ 0.2708, 1.4309,  
3.0926

■ 0.0000, 0.2393,  
1.1421

■ 58.3242, 81.0672,  
107.1813

■ 58.3242, 81.0672,  
107.1813

■ 56.1598, 79.9514,  
107.0800

■ 61.3505, 82.6273,  
107.3229

■ 54.7652, 79.2324,  
107.0147

■ 65.3131, 84.6701,  
107.5083

■ 54.0325, 78.8547,  
106.9804

■ 70.2815, 87.2314,  
107.7409

■ 53.8100, 78.7400,  
106.9700

■ 76.3179, 90.3433,  
108.0234

83.4794, 94.0351,  
108.3585

91.8191, 98.3344,  
108.7488

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



58.0377, 81.0672, 74.9863



58.3242, 81.0672, 107.1813



63.3068, 81.0672, 140.9013

# Triad

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



58.3242, 81.0672, 107.1813



93.7266, 81.0672, 137.2411



82.0482, 81.0672, 41.0327

# Complementary

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



58.3242, 81.0672, 107.1813



47.1313, 29.8807, 13.6414

# 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.



92.6551, 81.0672, 50.7082



58.3242, 81.0672, 107.1813



99.8224, 81.0672, 103.0330

# Square

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



58.3242, 81.0672, 107.1813



83.4001, 81.0672, 160.9167



99.4124, 81.0672, 71.7225



71.0344, 81.0672, 41.6294



# Rectangle

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



58.3242, 81.0672, 107.1813



68.9203, 81.0672, 157.4352



99.4124, 81.0672, 71.7225



85.7993, 81.0672, 43.0695

# Sweetspot

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



58.3251, 81.0676, 107.1813



79.4166, 91.9407, 108.1684



42.2513, 74.6381, 22.5377



16.5735, 19.4600, 23.1326



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.



58.3251, 81.0676, 107.1813



55.7468, 79.7385, 107.0606



37.7020, 39.8214, 100.3069



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



63.2051, 36.3102, 98.2850



60.9694, 31.8389, 97.5398



58.3531, 52.3243, 17.3820



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

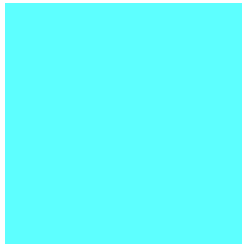


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 58.3242, 81.0672, 107.1813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

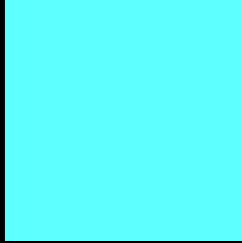
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3242, 81.0672, 107.1813 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

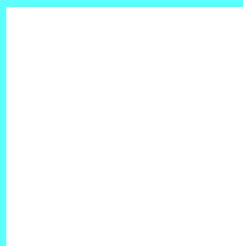
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.3242, 81.0672, 107.1813

## Background



This preview shows how black text looks on a background with the XYZ color 58.3242, 81.0672, 107.1813.



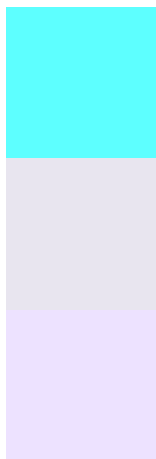
This preview shows how white text looks on a background with the XYZ color 58.3242, 81.0672,



# 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

58.3242, 81.0672, 107.1813

### Protanopia

76.8780, 79.4264, 92.9403

### Deuteranopia

80.1714, 79.6172, 105.7499



## Tritanopia

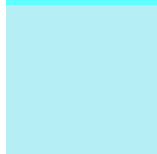
67.5562, 80.3199, 106.5504

# Trichromacy



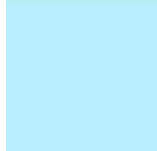
## Original Color

58.3242, 81.0672, 107.1813



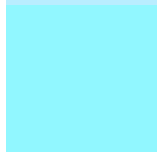
## Protanomaly

66.1120, 77.5654, 97.8733



## Deuteranomaly

68.3418, 78.1027, 106.0811



## Tritanomaly

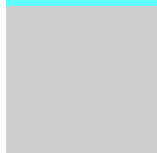
62.9878, 79.7613, 106.6834

# Monochromacy



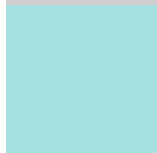
## Original Color

58.3242, 81.0672, 107.1813



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

55.8361, 66.8001, 80.4718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3242, 81.0672, 107.1813 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(93, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 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(93, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3242, 81.0672, 107.1813 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(93, 255, 255) }
```



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

```
.border{ border-color:rgb(93, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3242, 81.0672, 107.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 255) }
```

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

```
.background{ background-color: rgb(93, 255,  
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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