

# Converting Colors

XYZ(68.0863, 100.0000,  
100.9343)

Have a look what the booklet for  
XYZ(68.0863, 100.0000, 100.9343)  
contains.

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# Color

**XYZ(58.8992, 81.5624,  
98.2267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71FFF4
RGB	113, 255, 244
RGB Percent	44%, 100%, 96%
CMY	0.5568, 0.0000, 0.0431
CMYK	0.56, 0.00, 0.04, 0.00
HSL	175°, 100%, 72%
HSV	175°, 56%, 100%
XYZ	58.8992, 81.5624, 98.2267
YIQ	211.2880, -81.1010, -33.5250

# Conversions

## Conversions Part 2

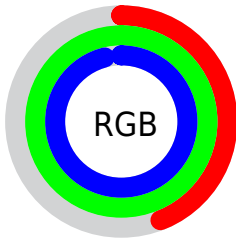
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 187, 255
Decimal	7471092
CIELab	92.38, -40.88, -6.39
CIELCh	92, 41.378, 188.878
Yxy	81.5624, 0.2468, 0.3417
Android (android.graphics.Color)	4285661172 (0xFF71FFF4)
YUV	211.2880, 16.1270, -86.1986
Hunter-Lab	90.3119, -41.6325, -1.2678

# Details

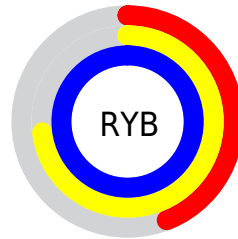
The XYZ color **58.8992, 81.5624, 98.2267** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.7842, 34.5270, 23.0581**, and the grayscale version is **62.0430, 65.2741, 71.0835**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **29.9987, 44.3941, 54.5648** is the 20% darker color. If you saturate the color by 10%, you get **55.7689, 79.9831, 96.5243**, and if you desaturate by 10%, it is **62.9562, 83.6190, 99.9921**.

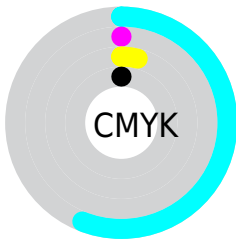
# Distribution



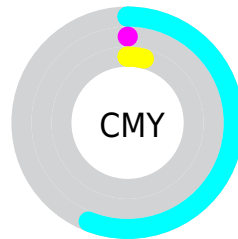
- Red (44%)
- Green (100%)
- Blue (96%)



- Red (44%)
- Yellow (73%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8992, 81.5624, 98.2267 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 58.8992, 81.5624, 98.2267 by changing the saturation by 10% instead.





 58.8992, 81.5624,  
98.2267


 58.8992, 81.5624,  
98.2267


410.4283,  
500.1828, 575.6903


 42.7780, 61.0049,  
74.2118


 102.3466,  
135.5602, 160.7487

 29.9048, 44.2291,  
54.4696


 130.4036,  
169.7692, 200.0928

 19.9140, 30.8507,  
38.5815

 163.1698,  
209.2976, 245.3838

 12.4405, 20.4852,  
26.1290

201.0108,  
254.5296, 297.0402

 7.1187, 12.7482,  
16.6935

244.2917,  
305.8498, 355.4805

 3.5835, 7.2554,  
9.8566

293.3781,

 1.4693, 3.6223,

363.6424, 421.1232

5.1996

348.6352,  
428.2920, 494.3870

■ 0.3048, 1.4646,  
2.3041

■ 0.0000, 0.2636,  
0.7335

■ 58.8992, 81.5624,  
98.2267

■ 58.8992, 81.5624,  
98.2267

■ 55.7689, 79.9831,  
96.5243

■ 62.9562, 83.6190,  
99.9921

■ 53.4828, 78.8387,  
94.8767

■ 68.0070, 86.1875,  
101.8194

■ 51.9492, 78.0818,  
93.2810

■ 74.1160, 89.3012,  
103.7131

■ 51.0531, 77.6532,  
91.7318

■ 81.3414, 92.9901,  
105.6760

■ 50.7914, 77.5325,  
91.0741

■ 89.7371, 97.2819,  
107.7106

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.



59.8512, 81.5624, 69.1995



58.8992, 81.5624, 98.2267



62.5666, 81.5624, 131.2212

# Triad

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



58.8992, 81.5624, 98.2267



91.1841, 81.5624, 143.1064



85.1852, 81.5624, 44.3607

# Complementary

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



58.8992, 81.5624, 98.2267



50.7842, 34.5270, 23.0581

# 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.



94.6901, 81.5624, 56.6868



58.8992, 81.5624, 98.2267



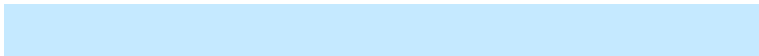
98.3693, 81.5624, 111.8085

# Square

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



58.8992, 81.5624, 98.2267



80.7453, 81.5624, 160.7781



99.7082, 81.5624, 80.0107

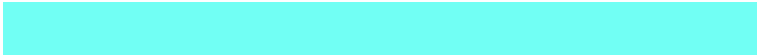


74.3869, 81.5624, 42.3417



# Rectangle

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



58.8992, 81.5624, 98.2267



67.3555, 81.5624, 149.4896



99.7082, 81.5624, 80.0107



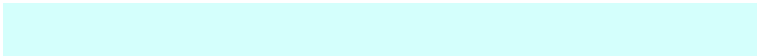
88.6646, 81.5624, 47.2726

# Sweetspot

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



58.9003, 81.5629, 98.2282



80.3246, 92.4707, 105.4136



47.1750, 77.0603, 28.0124



16.8689, 19.6271, 22.4776



0.0000, 0.0000, 0.0000

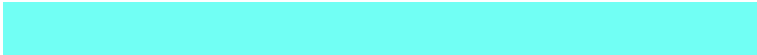


20.3446, 21.4041, 23.3091



# Same Dimension

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



58.9003, 81.5629, 98.2282



55.4216, 79.8085, 96.3043



44.5638, 50.1370, 101.9364



18.4906, 20.4558, 22.8863



26.5651, 40.5226, 47.7226



2.6039, 3.9525, 4.7378



# Inverse Universe

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



50.7842, 34.5270, 23.0581



46.5976, 28.4942, 14.4472



59.0060, 52.0223, 22.5560



18.0665, 18.0099, 18.9671



21.6337, 11.1428, 1.4555

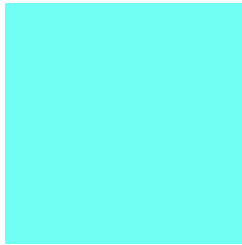


2.1252, 1.0924, 0.2406



# Previews

## White Background



This preview shows how the XYZ color 58.8992, 81.5624, 98.2267 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

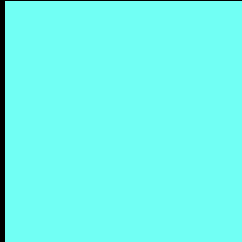
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8992, 81.5624, 98.2267 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

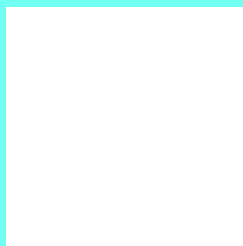
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.8992, 81.5624, 98.2267**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8992, 81.5624, 98.2267.



This preview shows how white text looks on a background with the XYZ color 58.8992, 81.5624,



# Color Blindness Simulation

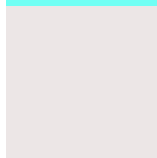
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



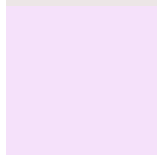
### Original Color

58.8992, 81.5624, 98.2267



### Protanopia

77.1718, 80.1397, 86.2640



### Deuteranopia

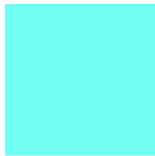
81.8367, 80.1650, 101.6026



## Tritanopia

68.9230, 81.0245, 106.6144

# Trichromacy



## Original Color

58.8992, 81.5624, 98.2267



## Protanomaly

67.3478, 78.8075, 90.2590



## Deuteranomaly

69.9647, 78.6385, 100.2982



## Tritanomaly

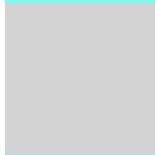
64.3837, 80.5545, 103.4220

# Monochromacy



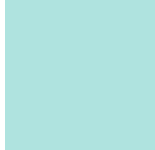
## Original Color

58.8992, 81.5624, 98.2267



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

58.4676, 69.3798, 80.1221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8992, 81.5624, 98.2267 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(113, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 244)  
}
```

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(113, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8992, 81.5624, 98.2267 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(113, 255, 244) }
```



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

```
.border{ border-color:rgb(113, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8992, 81.5624, 98.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 244) }
```

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

```
.background{ background-color: rgb(113,  
255, 244) }
```

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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