

# Converting Colors

XYZ(57.5445, 78.2919,  
100.1270)

Have a look what the booklet for  
XYZ(57.5445, 78.2919, 100.1270)  
contains.

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# Color

**XYZ(57.6562, 78.5314,  
100.1150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FAF7
RGB	112, 250, 247
RGB Percent	44%, 98%, 97%
CMY	0.5608, 0.0196, 0.0314
CMYK	0.55, 0.00, 0.01, 0.02
HSL	179°, 93%, 71%
HSV	179°, 55%, 98%
XYZ	57.6562, 78.5314, 100.1150
YIQ	208.3960, -81.2850, -30.1890

# Conversions

## Conversions Part 2

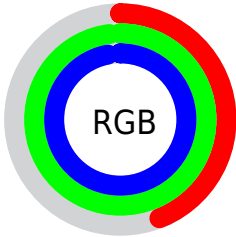
Format	Color
<a href="#">RYB</a>	<a href="#">112, 182, 250</a>
Decimal	<a href="#">7404279</a>
CIELab	<a href="#">91.02, -38.04, -9.96</a>
CIELCh	<a href="#">91, 39.325, 194.672</a>
Yxy	<a href="#">78.5314, 0.2440, 0.3323</a>
Android (android.graphics.Color)	<a href="#">4285594359</a> <a href="#">(0xFF70FAF7)</a>
YUV	<a href="#">208.3960, 19.0318, -84.5393</a>
Hunter-Lab	<a href="#">88.6179, -38.9466, -4.9496</a>

# Details

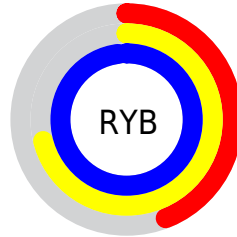
The XYZ color **57.6562, 78.5314, 100.1150** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.3157, 33.1525, 20.0748**, and the grayscale version is **60.1315, 63.2630, 68.8934**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **29.1671, 42.2588, 55.9097** is the 20% darker color. If you saturate the color by 10%, you get **54.8228, 77.0822, 99.5466**, and if you desaturate by 10%, it is **61.3774, 80.4418, 100.7297**.

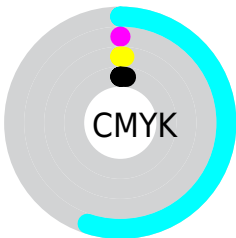
# Distribution



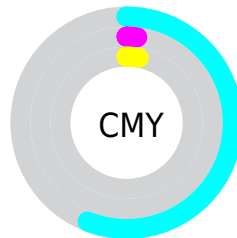
- Red (44%)
- Green (98%)
- Blue (97%)



- Red (44%)
- Yellow (71%)
- Blue (98%)



- Cyan (55%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (56%)
- Magenta (2%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6562, 78.5314, 100.1150 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 57.6562, 78.5314, 100.1150 by changing the saturation by 10% instead.





 57.6562, 78.5314,  
100.1150

 57.6562, 78.5314,  
100.1150


405.8782,  
489.9697, 581.8111


 41.7745, 58.5106,  
75.7792

 100.5479,  
131.2990, 163.3685

 29.1151, 42.2193,  
55.7459


 128.2886,  
164.8145, 203.1232

 19.3126, 29.2730,  
39.5966


 160.7130,  
203.5971, 248.8546

 12.0017, 19.2875,  
26.9128

198.1865,  
248.0312, 300.9812

 6.8171, 11.8782,  
17.2759

241.0744,  
298.5011, 359.9217

 3.3933, 6.6608,  
10.2673

289.7421,

 1.3650, 3.2509,

355.3912, 426.0945

5.4686

344.5549,  
419.0859, 499.9181

■ 0.2311, 1.2641,  
2.4613

■ 0.0000, 0.1131,  
0.8195

■ 57.6562, 78.5314,  
100.1150

■ 57.6562, 78.5314,  
100.1150

■ 54.8228, 77.0822,  
99.5466

■ 61.3774, 80.4418,  
100.7297

■ 52.7952, 76.0466,  
99.0154


■ 66.0458, 82.8387,  
101.3883


■ 51.4880, 75.3824,  
98.5192


■ 71.7240, 85.7562,  
102.0955


■ 50.7934, 75.0339,  
98.0530


■ 78.4671, 89.2226,  
102.8537


 50.6019, 74.9398,  
97.8362

 86.3263, 93.2644,  
103.6655

 92.7238, 96.5525,  
104.4101

 92.8094, 96.5868,  
104.8607

 92.8952, 96.6211,  
105.3125

 92.9812, 96.6555,  
105.7656

# Harmonies

## Analogous

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



57.7039, 78.5314, 71.8545



57.6562, 78.5314, 100.1150



61.8730, 78.5314, 129.9888

# Triad

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



57.6562, 78.5314, 100.1150



88.8826, 78.5314, 130.5753



79.8025, 78.5314, 42.8770

# Complementary

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



57.6562, 78.5314, 100.1150



48.3157, 33.1525, 20.0748

# 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.



89.0564, 78.5314, 52.5434



57.6562, 78.5314, 100.1150



94.6068, 78.5314, 100.7886

# Square

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



57.6562, 78.5314, 100.1150



79.5818, 78.5314, 150.0472



94.6731, 78.5314, 72.3946



69.9105, 78.5314, 42.7748



# Rectangle

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



57.6562, 78.5314, 100.1150



66.7696, 78.5314, 145.0515



94.6731, 78.5314, 72.3946



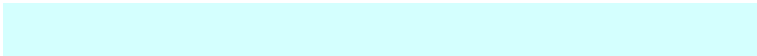
83.1095, 78.5314, 45.0006

# Sweetspot

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



57.6585, 78.5344, 100.1169



80.7091, 92.6245, 107.4382



44.3952, 73.2984, 27.1392



16.9608, 19.6639, 22.9615



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.



57.6585, 78.5344, 100.1169



57.1285, 80.5182, 104.0773



41.4147, 45.2992, 97.0067



17.7486, 19.6017, 22.1425



26.8473, 39.7519, 51.9328



2.4916, 3.6837, 4.8365



# Inverse Universe

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



48.3157, 33.1525, 20.0748



46.4849, 28.7723, 12.8573



57.9557, 52.7046, 22.4495



17.2599, 17.2313, 17.9586



20.9344, 10.7895, 1.0971

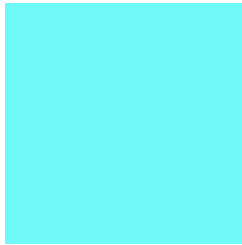


1.9441, 1.0014, 0.1291



# Previews

## White Background



This preview shows how the XYZ color 57.6562, 78.5314, 100.1150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

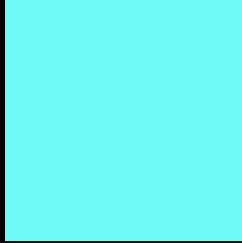
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6562, 78.5314, 100.1150 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

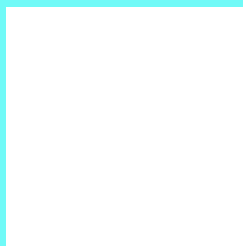
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.6562, 78.5314, 100.1150

## Background



This preview shows how black text looks on a background with the XYZ color 57.6562, 78.5314, 100.1150.



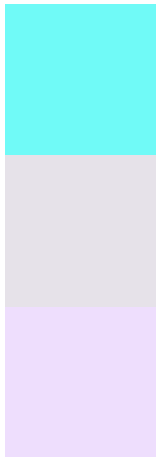
This preview shows how white text looks on a background with the XYZ color 57.6562, 78.5314,



# 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

57.6562, 78.5314, 100.1150

### Protanopia

74.5375, 77.0989, 88.0438

### Deuteranopia

79.1108, 77.5115, 103.7201



## Tritanopia

64.8151, 78.0231, 106.2516

# Trichromacy



## Original Color

57.6562, 78.5314, 100.1150



## Protanomaly

65.6345, 76.1545, 92.1289



## Deuteranomaly

68.0074, 75.8847, 102.3296



## Tritanomaly

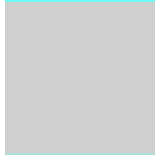
61.5984, 77.7494, 103.8560

# Monochromacy



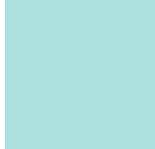
## Original Color

57.6562, 78.5314, 100.1150



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

56.8061, 66.9335, 79.0327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6562, 78.5314, 100.1150 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(112, 250, 247)` looks like.

```
.text, #text, p{  
    color:rgb(112, 250, 247)  
}
```

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(112, 250, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 250, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6562, 78.5314, 100.1150 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(112, 250, 247) }
```



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

```
.border{ border-color:rgb(112, 250, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 250, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 250, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 250, 247);  
box-shadow:4px 4px 4px 4px rgb(112, 250,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6562, 78.5314, 100.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 250, 247) }
```

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

```
.background{ background-color: rgb(112,  
250, 247) }
```

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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