

Converting Colors

XYZ(50.2768, 57.5357, 72.8792)

Have a look what the booklet for
XYZ(50.2768, 57.5357, 72.8792)
contains.

XYZ(50.3044, 57.6389, 72.7641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.3044, 57.6389,
72.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CFD7
RGB	166, 207, 215
RGB Percent	65%, 81%, 84%
CMY	0.3490, 0.1882, 0.1569
CMYK	0.23, 0.04, 0.00, 0.16
HSL	190°, 38%, 75%
HSV	190°, 23%, 84%
XYZ	50.3044, 57.6389, 72.7641
YIQ	195.6530, -27.0040, -6.2040

Conversions

Conversions Part 2

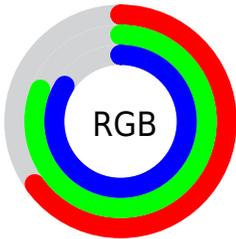
Format	Color
RYB	166, 188, 215
Decimal	10932183
CIELab	80.54, -11.67, -8.41
CIElCh	81, 14.383, 215.797
Yxy	57.6389, 0.2784, 0.3190
Android (android.graphics.Color)	4289122263 (0xFFA6CFD7)
YUV	195.6530, 9.5381, -26.0057
Hunter-Lab	75.9203, -14.5873, -3.6810

Details

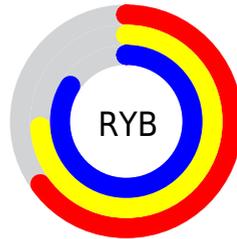
The XYZ color **50.3044, 57.6389, 72.7641** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0439, 47.4725, 42.6030**, and the grayscale version is **52.2192, 54.9386, 59.8282**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **24.5464, 28.8312, 37.5290** is the 20% darker color. If you saturate the color by 10%, you get **45.3285, 53.8270, 72.2915**, and if you desaturate by 10%, it is **56.0561, 61.8817, 73.2808**.

Distribution



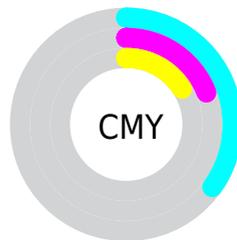
- Red (65%)
- Green (81%)
- Blue (84%)



- Red (65%)
- Yellow (74%)
- Blue (84%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3044, 57.6389, 72.7641 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 50.3044, 57.6389, 72.7641 by changing the saturation by 10% instead.

■ 50.3044, 57.6389,
72.7641

■ 50.3044, 57.6389,
72.7641

378.2875,
415.8390, 489.2457

■ 35.8741, 41.5184,
53.2924

■ 89.8149, 101.3968,
124.8601

■ 24.5066, 28.7244,
37.6470

■ 115.6257,
129.8031, 158.3215

■ 15.8366, 18.8724,
25.4091

145.9608,
163.0733, 197.2832

■ 9.4987, 11.5781,
16.1603

181.1856,
201.5920, 242.1638

■ 5.1276, 6.4571,
9.4821

221.6652,
245.7436, 293.3818

■ 2.3578, 3.1250,
4.9559

267.7652,

■ 0.8240, 1.1973,

295.9123, 351.3557

2.1631

319.8508,
352.4827, 416.5042

■ 0.0000, 0.0595,
0.6530

■ 0.0000, 0.0000,
0.0000

■ 50.3044, 57.6389,
72.7641

■ 50.3044, 57.6389,
72.7641

■ 45.3285, 53.8270,
72.2915

■ 56.0561, 61.8817,
73.2808

■ 41.0856, 50.4195,
71.8574

■ 62.6134, 66.5665,
73.8395

■ 37.5368, 47.3974,
71.4612

■ 70.0107, 71.7128,
74.4429

■ 34.6371, 44.7375,
71.1006

■ 78.2790, 77.3367,
75.0927

■ 32.3365, 42.4138,
70.7733

■ 80.3096, 79.7736,
75.4560

■ 30.5772, 40.3962,
70.4766

■ 81.2655, 81.6855,
75.7747

■ 29.2895, 38.6487,
70.2072

■ 82.2411, 83.6366,
76.0999

■ 28.5691, 37.5127,
70.0259

■ 83.2363, 85.6271,
76.4316

■ 84.2514, 87.6573,
76.7700

Harmonies

Analogous

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



49.3245, 57.6389, 64.4166



50.3044, 57.6389, 72.7641



52.4879, 57.6389, 78.7983

Triad

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



50.3044, 57.6389, 72.7641



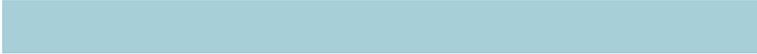
60.1305, 57.6389, 69.6680



54.2123, 57.6389, 47.9246

Complementary

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



50.3044, 57.6389, 72.7641



50.0439, 47.4725, 42.6030

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.



57.1461, 57.6389, 49.0587



50.3044, 57.6389, 72.7641



60.6323, 57.6389, 61.1300

Square

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



50.3044, 57.6389, 72.7641



58.1744, 57.6389, 76.9013



59.5220, 57.6389, 53.7158



51.5280, 57.6389, 50.4664

Rectangle

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



50.3044, 57.6389, 72.7641



54.3687, 57.6389, 80.4228



59.5220, 57.6389, 53.7158



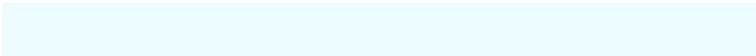
55.2015, 57.6389, 47.8917

Sweetspot

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



50.3061, 57.6412, 72.7654



87.8628, 94.9256, 108.2993



47.6041, 59.7396, 48.7359



18.6797, 20.2277, 23.1698



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.



50.3061, 57.6412, 72.7654



70.6155, 82.2366, 106.7592



44.9571, 46.9433, 70.9824



12.6116, 13.7467, 15.9262



17.1536, 22.5690, 41.9053



1.0817, 1.4554, 2.5432

Inverse Universe

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



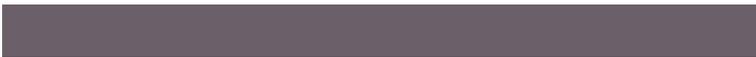
52.9244, 46.2257, 65.1672



75.1236, 62.9583, 93.5919



55.0681, 57.5210, 44.2777



12.8619, 12.5963, 15.2131



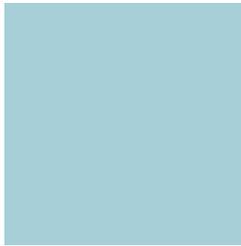
21.7172, 10.6232, 26.8786



1.3336, 0.6502, 1.7464

Previews

White Background



This preview shows how the XYZ color 50.3044, 57.6389, 72.7641 looks on a white background.

Color Contrast Check

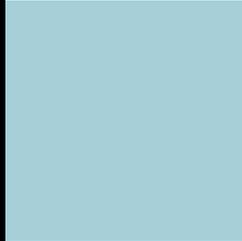
Large Text (above 18pt) WCAG AA × Fail

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 50.3044, 57.6389, 72.7641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

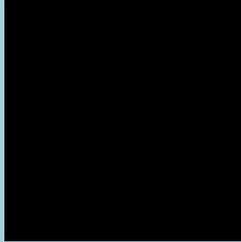
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

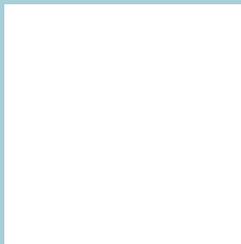
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3044, 57.6389, 72.7641

Background



This preview shows how black text looks on a background with the XYZ color 50.3044, 57.6389, 72.7641.



This preview shows how white text looks on a background with the XYZ color 50.3044, 57.6389,

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

50.3044, 57.6389, 72.7641

Protanopia

55.6464, 57.3207, 69.1039

Deuteranopia

58.5250, 57.3472, 74.3142



Tritanopia

51.1925, 57.6320, 77.5332

Trichromacy



Original Color

50.3044, 57.6389, 72.7641

Protanomaly

53.5093, 57.2181, 70.5113

Deuteranomaly

55.1959, 57.3259, 73.8015

Tritanomaly

50.7938, 57.4726, 75.4340

Monochromacy



Original Color

50.3044, 57.6389, 72.7641

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4414, 55.9346, 64.5851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3044, 57.6389, 72.7641 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(166, 207, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 207, 215)  
}
```

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(166, 207, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 207, 215) }
```

Border

The CSS property to change the border of an element to XYZ 50.3044, 57.6389, 72.7641 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(166, 207, 215) }
```


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

```
.border{ border-color:rgb(166, 207, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 207, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 207, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 207, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 207,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3044, 57.6389, 72.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 207, 215) }
```

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

```
.background{ background-color: rgb(166,  
207, 215) }
```

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