

Converting Colors

XYZ(45.9312, 51.3892, 64.6250)

Have a look what the booklet for
XYZ(45.9312, 51.3892, 64.6250)
contains.

XYZ(45.9312, 51.3892, 64.6250)	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(45.9312, 51.3892,
64.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C3CC
RGB	165, 195, 204
RGB Percent	65%, 76%, 80%
CMY	0.3529, 0.2353, 0.2000
CMYK	0.19, 0.04, 0.00, 0.20
HSL	194°, 28%, 72%
HSV	194°, 19%, 80%
XYZ	45.9312, 51.3892, 64.6250
YIQ	187.0560, -20.7690, -3.5610

Conversions

Conversions Part 2

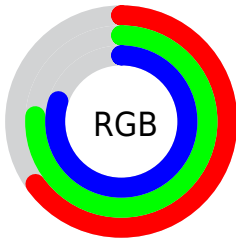
Format	Color
RYB	165, 182, 204
Decimal	10863564
CIELab	76.91, -8.12, -7.88
CIELCh	77, 11.319, 224.128
Yxy	51.3892, 0.2836, 0.3173
Android (android.graphics.Color)	4289053644 (0xFFA5C3CC)
YUV	187.0560, 8.3534, -19.3431
Hunter-Lab	71.6863, -11.0815, -3.2694

Details

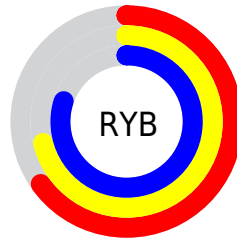
The XYZ color **45.9312, 51.3892, 64.6250** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8297, 45.8259, 41.9753**, and the grayscale version is **47.2296, 49.6892, 54.1116**.

A 20% lighter version of the original color is **82.3756, 92.0565, 108.0348**, and **21.7120, 24.6965, 32.4767** is the 20% darker color. If you saturate the color by 10%, you get **40.9843, 47.2994, 64.0972**, and if you desaturate by 10%, it is **51.5912, 55.8986, 65.1979**.

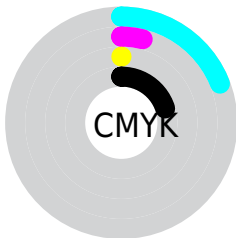
Distribution



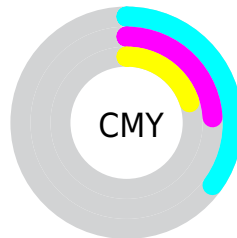
- Red (65%)
- Green (76%)
- Blue (80%)



- Red (65%)
- Yellow (71%)
- Blue (80%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (35%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9312, 51.3892, 64.6250 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 45.9312, 51.3892, 64.6250 by changing the saturation by 10% instead.

■ 45.9312, 51.3892,
64.6250

■ 45.9312, 51.3892,
64.6250

361.2526,
392.0740, 459.7124

■ 32.3959, 36.5184,
46.7077

■ 83.3445, 92.2298,
113.1187

■ 21.8211, 24.8349,
32.4519

■ 107.9533,
118.9685, 144.5321

■ 13.8414, 15.9541,
21.4392

136.9839,
150.4319, 181.2812

■ 8.0914, 9.4917,
13.2511

170.8018,
187.0044, 223.7847

■ 4.2058, 5.0632,
7.4689

209.7722,
229.0705, 272.4610

■ 1.8192, 2.2844,
3.6742

254.2606,

■ 0.5292, 0.7654,

277.0146, 327.7287

1.4484

304.6322,
331.2209, 390.0063

■ 0.0000, 0.0000,
0.1790

■ 0.0000, 0.0000,
0.0000

■ 45.9312, 51.3892,
64.6250

■ 45.9312, 51.3892,
64.6250

■ 40.9843, 47.2994,
64.0972

■ 51.5912, 55.8986,
65.1979

■ 36.7136, 43.6058,
63.6093

■ 57.9900, 60.8373,
65.8139

■ 33.0857, 40.2920,
63.1609

■ 65.1574, 66.2225,
66.4756

■ 30.0625, 37.3379,
62.7500

■ 73.1203, 72.0684,
67.1843

■ 27.6016, 34.7212,
62.3747

■ 77.3498, 76.0407,
67.7281

■ 25.6548, 32.4166,
62.0324

■ 78.5916, 78.5244,
68.1421

■ 24.1655, 30.3944,
61.7206

■ 79.8684, 81.0780,
68.5677

■ 23.0387, 28.6052,
61.4346

■ 81.1804, 83.7021,
69.0050

■ 22.9458, 28.4528,
61.4101

■ 82.5280, 86.3972,
69.4542

Harmonies

Analogous

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



44.9369, 51.3892, 58.8993



45.9312, 51.3892, 64.6250



47.7200, 51.3892, 68.1553

Triad

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



45.9312, 51.3892, 64.6250



52.9366, 51.3892, 59.2609



47.8400, 51.3892, 45.2225

Complementary

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



45.9312, 51.3892, 64.6250



46.8297, 45.8259, 41.9753

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.



49.9853, 51.3892, 45.3036



45.9312, 51.3892, 64.6250



52.9710, 51.3892, 53.1088

Square

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



45.9312, 51.3892, 64.6250



51.7845, 51.3892, 64.9064



51.8772, 51.3892, 48.0957



46.0168, 51.3892, 47.8653

Rectangle

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



45.9312, 51.3892, 64.6250



49.1426, 51.3892, 68.6370



51.8772, 51.3892, 48.0957



48.5464, 51.3892, 44.9385

Sweetspot

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



45.9327, 51.3913, 64.6262



88.5277, 94.9814, 108.2751



44.6972, 54.2205, 47.8745



18.8026, 20.2165, 23.1611



0.0000, 0.0000, 0.0000



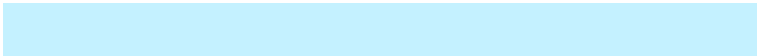
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9327, 51.3913, 64.6262



72.5006, 82.1917, 106.6511



41.9521, 43.4302, 63.2993



11.3153, 12.2711, 14.3425



14.5156, 18.0553, 38.6762



0.8038, 1.0413, 2.0136

Inverse Universe

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



48.2085, 43.6888, 57.5242



77.0064, 67.2769, 92.5143



50.7531, 53.6727, 43.2831



11.5725, 11.3577, 13.5495



19.5377, 9.6257, 21.0821



1.0357, 0.5077, 1.2336

Previews

White Background



This preview shows how the XYZ color 45.9312, 51.3892, 64.6250 looks on a white background.

Color Contrast Check

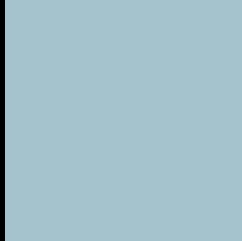
Large Text (above 18pt) WCAG AA × Fail

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 45.9312, 51.3892, 64.6250 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

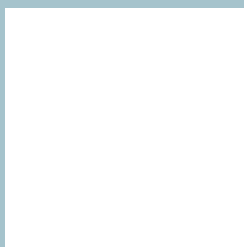
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9312, 51.3892, 64.6250

Background



This preview shows how black text looks on a background with the XYZ color 45.9312, 51.3892, 64.6250.



This preview shows how white text looks on a background with the XYZ color 45.9312, 51.3892,

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

45.9312, 51.3892, 64.6250

Protanopia

49.6438, 51.0837, 61.8872

Deuteranopia

52.1005, 51.0166, 65.4937



Tritanopia

46.6505, 51.3437, 68.4243

Trichromacy



Original Color

45.9312, 51.3892, 64.6250

Protanomaly

48.2295, 51.3024, 62.6187

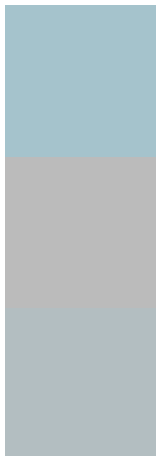
Deuteranomaly

49.4962, 50.9390, 64.9811

Tritanomaly

46.4028, 51.2446, 67.1200

Monochromacy



Original Color

45.9312, 51.3892, 64.6250

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6295, 50.2609, 57.6958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9312, 51.3892, 64.6250 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(165, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(165, 195, 204)  
}
```

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(165, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 195, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.9312, 51.3892, 64.6250 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(165, 195, 204) }
```


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

```
.border{ border-color:rgb(165, 195, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 195, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(165, 195,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9312, 51.3892, 64.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 195, 204) }
```

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

```
.background{ background-color: rgb(165,  
195, 204) }
```

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