

Converting Colors

XYZ(51.6157, 59.3639, 71.9676)

Have a look what the booklet for
XYZ(51.6157, 59.3639, 71.9676)
contains.

XYZ(51.6344, 59.4433, 71.7031)	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(51.6344, 59.4433,
71.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD2D5
RGB	170, 210, 213
RGB Percent	67%, 82%, 84%
CMY	0.3333, 0.1765, 0.1647
CMYK	0.20, 0.01, 0.00, 0.16
HSL	184°, 34%, 75%
HSV	184°, 20%, 84%
XYZ	51.6344, 59.4433, 71.7031
YIQ	198.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

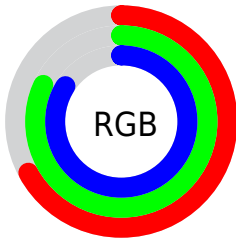
Format	Color
RYB	170, 191, 213
Decimal	11195093
CIELab	81.53, -12.43, -5.84
CIELCh	82, 13.733, 205.164
Yxy	59.4433, 0.2825, 0.3252
Android (android.graphics.Color)	4289385173 (0xFFAAD2D5)
YUV	198.3820, 7.2067, -24.8910
Hunter-Lab	77.0995, -15.3806, -1.1705

Details

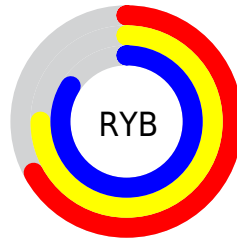
The XYZ color **51.6344, 59.4433, 71.7031** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6404, 46.9358, 44.4746**, and the grayscale version is **53.8786, 56.6845, 61.7294**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **25.2290, 29.6932, 36.7494** is the 20% darker color. If you saturate the color by 10%, you get **47.0333, 56.5312, 71.3845**, and if you desaturate by 10%, it is **56.9884, 62.7517, 72.0605**.

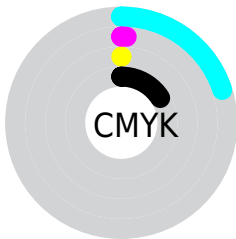
Distribution



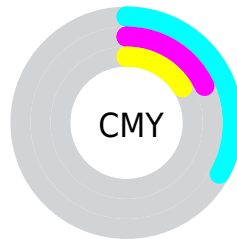
- Red (67%)
- Green (82%)
- Blue (84%)



- Red (67%)
- Yellow (75%)
- Blue (84%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6344, 59.4433, 71.7031 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 51.6344, 59.4433, 71.7031 by changing the saturation by 10% instead.

■ 51.6344, 59.4433,
71.7031

■ 51.6344, 59.4433,
71.7031

383.3707,
422.5427, 485.4573

■ 36.9368, 42.9701,
52.4308

■ 91.7693, 104.0217,
123.3381

■ 25.3320, 29.8616,
36.9640

117.9373,
132.8956, 156.5379

■ 16.4547, 19.7336,
24.8840

148.6595,
166.6719, 195.2173

■ 9.9393, 12.2015,
15.7724

184.3012,
205.7350, 239.7949

■ 5.4207, 6.8811,
9.2107

225.2278,
250.4692, 290.6891

■ 2.5334, 3.3878,
4.7802

271.8047,

■ 0.9121, 1.3374,

301.2590, 348.3186

2.0624

324.3973,
358.4887, 413.1018

■ 0.0000, 0.1699,
0.5932

■ 0.0000, 0.0000,
0.0000

■ 51.6344, 59.4433,
71.7031

■ 51.6344, 59.4433,
71.7031

■ 47.0333, 56.5312,
71.3845

■ 56.9884, 62.7517,
72.0605

■ 43.1441, 53.9896,
71.0989

■ 63.1235, 66.4662,
72.4541

■ 39.9295, 51.8008,
70.8458

■ 70.0730, 70.6057,
72.8868

■ 37.3471, 49.9429,
70.6233

■ 77.7917, 75.1468,
73.3565

■ 35.3495, 48.3915,
70.4292

■ 78.1737, 75.9108,
73.4838

■ 33.8825, 47.1186,
70.2608

■ 78.5592, 76.6817,
73.6123

■ 32.8819, 46.0911,
70.1152

■ 78.9481, 77.4595,
73.7419

■ 32.2397, 45.2627,
69.9892

■ 79.3404, 78.2442,
73.8727

■ 79.7363, 79.0359,
74.0047

Harmonies

Analogous

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



51.1596, 59.4433, 63.3960



51.6344, 59.4433, 71.7031



53.3949, 59.4433, 78.6309

Triad

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



51.6344, 59.4433, 71.7031



61.1666, 59.4433, 74.2109



56.9671, 59.4433, 50.1739

Complementary

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



51.6344, 59.4433, 71.7031



49.6404, 46.9358, 44.4746

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.



59.7213, 59.4433, 52.5612



51.6344, 59.4433, 71.7031



62.1977, 59.4433, 66.0697

Square

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



51.6344, 59.4433, 71.7031



58.8862, 59.4433, 80.1629



61.6601, 59.4433, 58.2125



54.1773, 59.4433, 51.4061

Rectangle

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



51.6344, 59.4433, 71.7031



55.0932, 59.4433, 81.2941



61.6601, 59.4433, 58.2125



57.9287, 59.4433, 50.5734

Sweetspot

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



51.6361, 59.4457, 71.7044



89.3041, 96.5342, 108.5339



47.9029, 59.1476, 48.3606



18.9866, 20.5845, 23.2225



0.0000, 0.0000, 0.0000



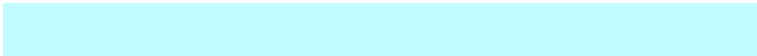
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6361, 59.4457, 71.7044



74.6610, 87.4911, 107.5602



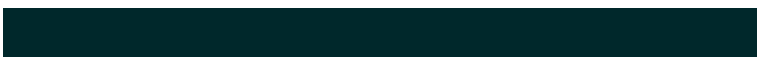
46.7078, 49.5890, 70.0617



12.7147, 13.9527, 15.9605



19.7243, 27.7104, 42.7622



1.2124, 1.7168, 2.5868

Inverse Universe

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



53.4496, 47.5501, 67.3365



77.8580, 66.7029, 99.8184



54.0708, 55.7966, 45.9514



12.9139, 12.6171, 15.4869



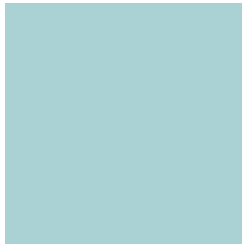
23.0148, 11.1422, 33.7115



1.3996, 0.6766, 2.0937

Previews

White Background



This preview shows how the XYZ color 51.6344, 59.4433, 71.7031 looks on a white background.

Color Contrast Check

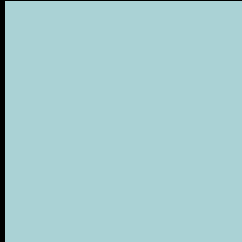
Large Text (above 18pt) WCAG AA × Fail

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 51.6344, 59.4433, 71.7031 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

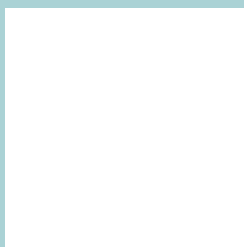
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6344, 59.4433, 71.7031

Background



This preview shows how black text looks on a background with the XYZ color 51.6344, 59.4433, 71.7031.



This preview shows how white text looks on a background with the XYZ color 51.6344, 59.4433,

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

51.6344, 59.4433, 71.7031

Protanopia

57.1736, 59.1647, 68.0811

Deuteranopia

60.1589, 58.8848, 73.1609



Tritanopia

53.1597, 59.3186, 79.8820

Trichromacy



Original Color

51.6344, 59.4433, 71.7031

Protanomaly

54.9640, 59.0453, 69.4727

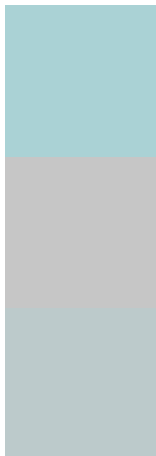
Deuteranomaly

56.7056, 58.8217, 72.6550

Tritanomaly

52.6462, 59.4793, 77.1125

Monochromacy



Original Color

51.6344, 59.4433, 71.7031

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.6391, 57.2442, 64.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6344, 59.4433, 71.7031 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(170, 210, 213)` looks like.

```
.text, #text, p{  
    color:rgb(170, 210, 213)  
}
```

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(170, 210, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 210, 213) }
```

Border

The CSS property to change the border of an element to XYZ 51.6344, 59.4433, 71.7031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

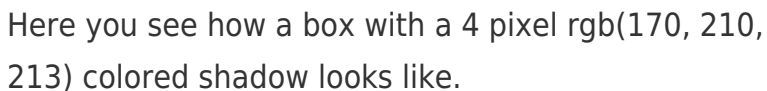
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 210, 213) }
```


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

```
.border{ border-color:rgb(170, 210, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 210, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 210, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 210, 213);  
box-shadow:4px 4px 4px 4px rgb(170, 210,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6344, 59.4433, 71.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 210, 213) }
```

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

```
.background{ background-color: rgb(170,  
210, 213) }
```

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