

Converting Colors

XYZ(39.7850, 51.4568, 69.8914)

Have a look what the booklet for
XYZ(39.7850, 51.4568, 69.8914)
contains.

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Color

**XYZ(39.8993, 51.6043,
70.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	6CCDD4
RGB	108, 205, 212
RGB Percent	42%, 80%, 83%
CMY	0.5765, 0.1961, 0.1686
CMYK	0.49, 0.03, 0.00, 0.17
HSL	184°, 55%, 63%
HSV	184°, 49%, 83%
XYZ	39.8993, 51.6043, 70.1451
YIQ	176.7950, -60.0590, -18.3870

Conversions

Conversions Part 2

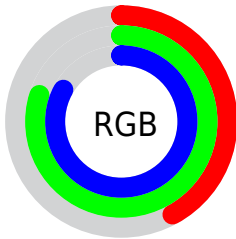
Format	Color
RYB	108, 158, 212
Decimal	7130580
CIELab	77.04, -26.67, -12.31
CIELCh	77, 29.376, 204.782
Yxy	51.6043, 0.2468, 0.3192
Android (android.graphics.Color)	4285320660 (0xFF6CCDD4)
YUV	176.7950, 17.3561, -60.3332
Hunter-Lab	71.8361, -26.5706, -7.6090

Details

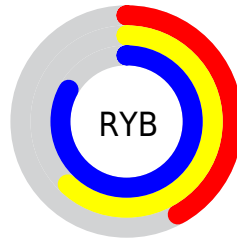
The XYZ color **39.8993, 51.6043, 70.1451** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.9897, 27.3420, 17.5692**, and the grayscale version is **41.6182, 43.7856, 47.6825**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **18.0743, 24.8049, 35.7335** is the 20% darker color. If you saturate the color by 10%, you get **37.2885, 49.7553, 69.9267**, and if you desaturate by 10%, it is **43.1432, 53.7867, 70.3963**.

Distribution



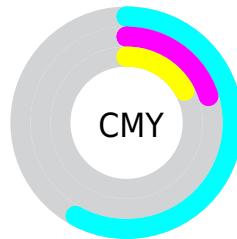
- Red (42%)
- Green (80%)
- Blue (83%)



- Red (42%)
- Yellow (62%)
- Blue (83%)



- Cyan (49%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)





- Cyan (58%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8993, 51.6043, 70.1451 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 39.8993, 51.6043, 70.1451 by changing the saturation by 10% instead.


 39.8993, 51.6043,
70.1451


 39.8993, 51.6043,
70.1451


336.8407,
392.9071, 479.8622


 27.6439, 36.6898,
51.1673


 74.2955, 92.5474,
121.0987

 18.1965, 24.9674,
35.9641


 97.1669, 119.3448,
153.9116

 11.1917, 16.0528,
24.1170


 124.3078,
150.8719, 192.1733

 6.2642, 9.5615,
15.2074

156.0834,
187.5131, 236.3023

 3.0485, 5.1092,
8.8169

192.8592,
229.6528, 286.7171

 1.1795, 2.3115,
4.5267

235.0004,

 0.0901, 0.7798,

277.6755, 343.8363

1.9185

282.8724,
331.9654, 408.0785

■ 0.0000, 0.0000,
0.5045

■ 0.0000, 0.0000,
0.0000

■ 39.8993, 51.6043,
70.1451

■ 39.8993, 51.6043,
70.1451

■ 37.2885, 49.7553,
69.9267

■ 43.1432, 53.7867,
70.3963

■ 35.2599, 48.2098,
69.7353


■ 47.0570, 56.3179,
70.6786


■ 33.7623, 46.9427,
69.5697


■ 51.6804, 59.2195,
70.9950


■ 32.7338, 45.9220,
69.4269


■ 57.0486, 62.5098,
71.3471


 32.0735, 45.0956,
69.3022

 63.1944, 66.2055,
71.7365

 32.0177, 45.0211,
69.2907

 70.1486, 70.3227,
72.1647

 77.4216, 74.6090,
72.6087

 77.7864, 75.3386,
72.7303

 78.1544, 76.0746,
72.8530

Harmonies

Analogous

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



39.0790, 51.6043, 53.4274



39.8993, 51.6043, 70.1451



43.0917, 51.6043, 85.3660

Triad

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



39.8993, 51.6043, 70.1451



58.3908, 51.6043, 75.9351



50.0351, 51.6043, 30.7140

Complementary

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



39.8993, 51.6043, 70.1451



35.9897, 27.3420, 17.5692

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.



55.5301, 51.6043, 34.5555



39.8993, 51.6043, 70.1451



60.5835, 51.6043, 59.0427

Square

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



39.8993, 51.6043, 70.1451



53.7061, 51.6043, 89.1302



59.4989, 51.6043, 44.2177



44.6679, 51.6043, 32.5648

Rectangle

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



39.8993, 51.6043, 70.1451



46.2732, 51.6043, 91.5457



59.4989, 51.6043, 44.2177



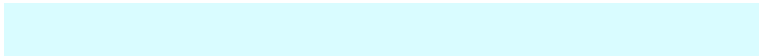
51.9322, 51.6043, 31.3565

Sweetspot

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



39.9009, 51.6063, 70.1463



81.5354, 91.8222, 108.0338



32.8196, 51.5124, 24.4139



17.0916, 19.4318, 23.0998



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.



39.9009, 51.6063, 70.1463



56.4380, 75.4261, 106.1918



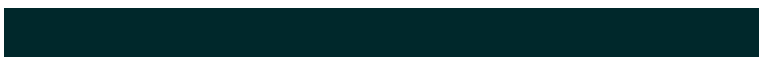
29.4713, 30.7472, 66.6698



12.7173, 13.9581, 15.9614



19.7954, 27.8526, 42.7859



1.2160, 1.7239, 2.5880

Inverse Universe

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



43.5347, 29.1312, 61.0882



62.7084, 37.8567, 90.2893



43.6658, 42.6940, 20.1278



12.9153, 12.6176, 15.4941



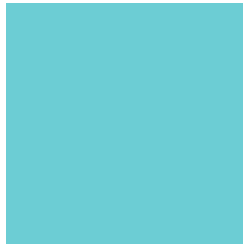
23.0507, 11.1566, 33.9006



1.4014, 0.6774, 2.1032

Previews

White Background



This preview shows how the XYZ color 39.8993, 51.6043, 70.1451 looks on a white background.

Color Contrast Check

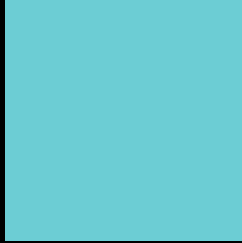
Large Text (above 18pt) WCAG AA × Fail

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 39.8993, 51.6043, 70.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

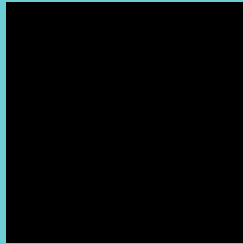
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

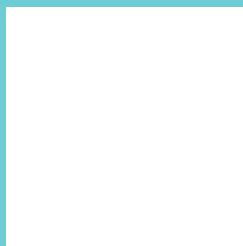
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8993, 51.6043, 70.1451

Background



This preview shows how black text looks on a background with the XYZ color 39.8993, 51.6043, 70.1451.

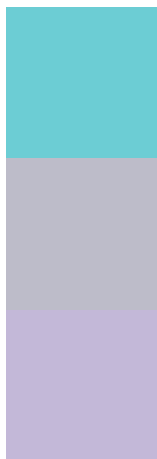


This preview shows how white text looks on a background with the XYZ color 39.8993, 51.6043,

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

39.8993, 51.6043, 70.1451

Protanopia

49.5121, 51.0023, 62.4932

Deuteranopia

52.0408, 50.8409, 72.0362



Tritanopia

41.0667, 51.7325, 75.5311

Trichromacy



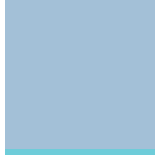
Original Color

39.8993, 51.6043, 70.1451



Protanomaly

44.8084, 50.4649, 65.1367



Deuteranomaly

46.2196, 50.3921, 71.5806



Tritanomaly

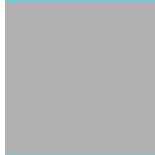
40.5477, 51.5105, 73.4511

Monochromacy



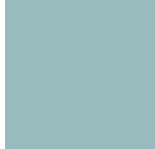
Original Color

39.8993, 51.6043, 70.1451



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

40.0135, 45.9338, 55.4724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8993, 51.6043, 70.1451 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(108, 205, 212)` looks like.

```
.text, #text, p{  
    color:rgb(108, 205, 212)  
}
```

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(108, 205, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 205, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.8993, 51.6043, 70.1451 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(108, 205, 212) }
```


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

```
.border{ border-color:rgb(108, 205, 212) }
```

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

Here you see how a box with a 4 pixel rgb(108, 205, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 205, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 205, 212);  
box-shadow:4px 4px 4px 4px rgb(108, 205,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8993, 51.6043, 70.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 205, 212) }
```

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

```
.background{ background-color: rgb(108,  
205, 212) }
```

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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