

Converting Colors

XYZ(39.7098, 46.6107, 50.7423)

Have a look what the booklet for
XYZ(39.7098, 46.6107, 50.7423)
contains.

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Color

**XYZ(39.6750, 46.5037,
50.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	99BDB5
RGB	153, 189, 181
RGB Percent	60%, 74%, 71%
CMY	0.4000, 0.2588, 0.2902
CMYK	0.19, 0.00, 0.04, 0.26
HSL	167°, 21%, 67%
HSV	167°, 19%, 74%
XYZ	39.6750, 46.5037, 50.6011
YIQ	177.3240, -18.8880, -10.1200

Conversions

Conversions Part 2

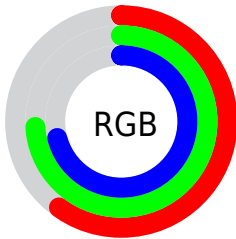
Format	Color
RYB	153, 173, 189
Decimal	10075573
CIELab	73.87, -13.70, 0.03
CIELCh	74, 13.699, 179.857
Yxy	46.5037, 0.2901, 0.3400
Android (android.graphics.Color)	4288265653 (0xFF99BDB5)
YUV	177.3240, 1.8123, -21.3321
Hunter-Lab	68.1936, -15.4877, 3.7411

Details

The XYZ color **39.6750, 46.5037, 50.6011** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8122, 36.1758, 38.6573**, and the grayscale version is **41.9592, 44.1444, 48.0732**.

A 20% lighter version of the original color is **73.9509, 84.8291, 92.5968**, and **18.0673, 21.9335, 23.7034** is the 20% darker color. If you saturate the color by 10%, you get **35.9621, 44.6399, 48.2116**, and if you desaturate by 10%, it is **43.9686, 48.6678, 53.0876**.

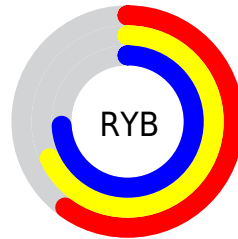
Distribution



Red (60%)

Green (74%)

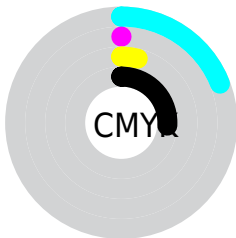
Blue (71%)



Red (60%)

Yellow (68%)

Blue (74%)

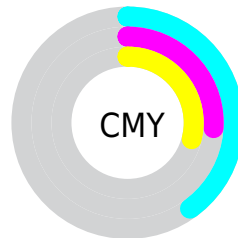


Cyan (19%)

Magenta (0%)

Yellow (4%)

Black (26%)



Cyan (40%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6750, 46.5037, 50.6011 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 39.6750, 46.5037, 50.6011 by changing the saturation by 10% instead.

■ 39.6750, 46.5037,
50.6011

■ 39.6750, 46.5037,
50.6011

335.9098,
372.8300, 405.8142

■ 27.4683, 32.6435,
35.5167

■ 73.9559, 84.9723,
92.4703

■ 18.0637, 21.8535,
23.7745

■ 96.7607, 110.3495,
120.0922

■ 11.0957, 13.7493,
14.9557

123.8291,
140.3345, 152.7304

■ 6.1990, 7.9465,
8.6421

155.5262,
175.3117, 190.8034

■ 3.0083, 4.0607,
4.4148

192.2175,
215.6654, 234.7297

■ 1.1581, 1.7076,
1.8556

234.2683,

■ 0.0729, 0.4286,

261.7801, 284.9279

0.4642

282.0439,
314.0402, 341.8166

■ 0.0000, 0.0000,
0.0000

■ 39.6750, 46.5037,
50.6011

■ 39.6750, 46.5037,
50.6011

■ 35.9621, 44.6399,
48.2116

■ 43.9686, 48.6678,
53.0876

■ 32.7992, 43.0570,
45.9142

■ 48.8639, 51.1394,
55.6697

■ 30.1590, 41.7420,
43.7079

■ 54.3856, 53.9323,
58.3502

■ 28.0100, 40.6788,
41.5907

■ 60.5559, 57.0580,
61.1306

■ 26.3174, 39.8494,
39.5603

■ 67.3957, 60.5274,
64.0125

■ 25.0414, 39.2333,
37.6143

■ 70.6044, 62.1232,
66.7951

■ 24.1356, 38.8067,
35.7497

■ 71.1224, 62.3305,
69.5231

■ 23.5182, 38.5274,
33.9623

■ 71.6542, 62.5432,
72.3235

■ 23.4643, 38.5032,
33.7957

■ 72.1999, 62.7614,
75.1969

Harmonies

Analogous

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



40.2680, 46.5037, 44.1857



39.6750, 46.5037, 50.6011



40.2570, 46.5037, 57.6190

Triad

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



39.6750, 46.5037, 50.6011



46.5762, 46.5037, 63.1977



46.5972, 46.5037, 39.8863

Complementary

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



39.6750, 46.5037, 50.6011



38.8122, 36.1758, 38.6573

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.



48.3932, 46.5037, 44.2388



39.6750, 46.5037, 50.6011



48.3808, 46.5037, 57.6823

Square

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



39.6750, 46.5037, 50.6011



44.1887, 46.5037, 65.2866



49.0574, 46.5037, 50.6682



44.2121, 46.5037, 38.3573

Rectangle

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



39.6750, 46.5037, 50.6011



41.2456, 46.5037, 61.6102



49.0574, 46.5037, 50.6682



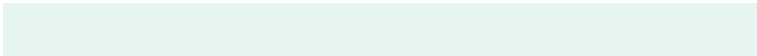
47.2930, 46.5037, 41.0467

Sweetspot

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



39.6763, 46.5056, 50.6021



81.2183, 88.4083, 96.4227



38.7276, 46.3158, 37.0366



17.3467, 18.9518, 20.6712



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



39.6763, 46.5056, 50.6021



68.0594, 81.7807, 88.7543



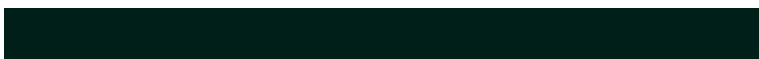
38.5241, 42.8489, 54.3866



9.7153, 10.7723, 11.7504



15.8164, 25.9168, 22.8938



0.6424, 1.0243, 1.0170

Inverse Universe

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



38.8122, 36.1758, 38.6573



66.2197, 59.7728, 63.3124



39.7639, 39.1727, 35.6032



9.6147, 9.5702, 10.3599



14.4257, 7.4014, 2.2695



0.5904, 0.3000, 0.2221

Previews

White Background



This preview shows how the XYZ color 39.6750, 46.5037, 50.6011 looks on a white background.

Color Contrast Check

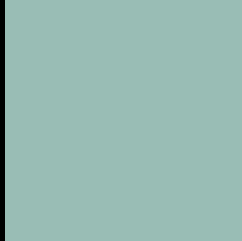
Large Text (above 18pt) WCAG AA × Fail

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 39.6750, 46.5037, 50.6011 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 39.6750, 46.5037, 50.6011

Background



This preview shows how black text looks on a background with the XYZ color 39.6750, 46.5037, 50.6011.



This preview shows how white text looks on a background with the XYZ color 39.6750, 46.5037,

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

39.6750, 46.5037, 50.6011

Protanopia

44.1653, 46.0914, 47.6431

Deuteranopia

47.0077, 45.9910, 51.7470



Tritanopia

42.0061, 46.5030, 62.0203

Trichromacy



Original Color

39.6750, 46.5037, 50.6011

Protanomaly

42.2029, 45.9656, 48.7674

Deuteranomaly

43.9246, 45.8852, 51.3414

Tritanomaly

41.2182, 46.5036, 57.8426

Monochromacy



Original Color

39.6750, 46.5037, 50.6011

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7082, 44.5869, 48.5801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6750, 46.5037, 50.6011 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(153, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 181)  
}
```

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(153, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 181) }
```

Border

The CSS property to change the border of an element to XYZ 39.6750, 46.5037, 50.6011 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(153, 189, 181) }
```


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

```
.border{ border-color:rgb(153, 189, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 181);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6750, 46.5037, 50.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 181) }
```

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

```
.background{ background-color: rgb(153,  
189, 181) }
```

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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