

Converting Colors

XYZ(38.8301, 46.7038, 10.6579)

Have a look what the booklet for
XYZ(38.8301, 46.7038, 10.6579)
contains.

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Color

**XYZ(38.7046, 46.5663,
10.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BC38
RGB	185, 188, 56
RGB Percent	73%, 74%, 22%
CMY	0.2745, 0.2627, 0.7804
CMYK	0.02, 0.00, 0.70, 0.26
HSL	61°, 54%, 48%
HSV	61°, 70%, 74%
XYZ	38.7046, 46.5663, 10.6896
YIQ	172.0550, 40.5840, -41.6880

Conversions

Conversions Part 2

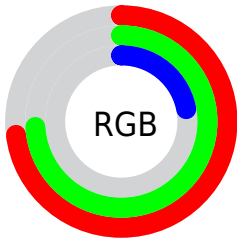
Format	Color
RYB	56, 188, 59
Decimal	12172344
CIELab	73.91, -16.94, 62.76
CIELCh	74, 65.004, 105.110
Yxy	46.5663, 0.4033, 0.4853
Android (android.graphics.Color)	4290362424 (0xFFB9BC38)
YUV	172.0550, -57.2151, 11.3528
Hunter-Lab	68.2395, -18.1761, 38.4800

Details

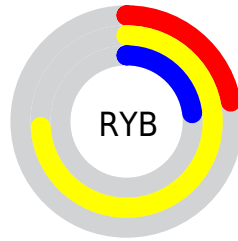
The XYZ color **38.7046, 46.5663, 10.6896** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **12.2963, 7.3900, 48.3583**, and the grayscale version is **39.5080, 41.5654, 45.2648**.

A 20% lighter version of the original color is **72.5282, 85.0822, 27.6388**, and **17.5661, 21.9171, 3.3046** is the 20% darker color. If you saturate the color by 10%, you get **38.2258, 46.3646, 8.7016**, and if you desaturate by 10%, it is **39.3585, 46.8416, 13.5886**.

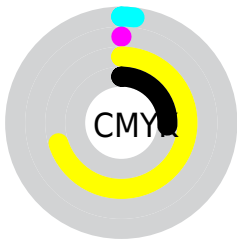
Distribution



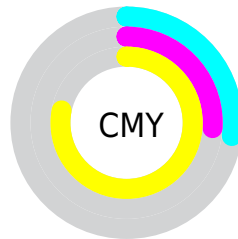
- Red (73%)
- Green (74%)
- Blue (22%)



- Red (22%)
- Yellow (74%)
- Blue (23%)



- Cyan (2%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7046, 46.5663, 10.6896 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 38.7046, 46.5663, 10.6896 by changing the saturation by 10% instead.

■ 38.7046, 46.5663,
10.6896

■ 38.7046, 46.5663,
10.6896

331.8618,
373.0807, 206.1859

■ 26.7097, 32.6929,
5.7470

■ 72.4838, 85.0659,
27.7126

■ 17.4908, 21.8913,
2.6256

■ 94.9988, 110.4609,
40.6300

■ 10.6825, 13.7771,
0.9056

■ 121.7512,
140.4652, 57.0428

■ 5.9195, 7.9658,
0.0000

■ 153.1064,
175.4633, 77.3694

■ 2.8364, 4.0731,
0.0000

■ 189.4296,
215.8395, 102.0285

■ 1.0678, 1.7145,
0.0000

231.0864,

■ 0.0000, 0.4330,

261.9782, 131.4386

0.0000

278.4420,
314.2638, 166.0182

■ 0.0000, 0.0000,
0.0000

■ 38.7046, 46.5663,
10.6896

■ 38.7046, 46.5663,
10.6896

■ 38.2258, 46.3646,
8.7016

■ 39.3585, 46.8416,
13.5886

■ 37.8983, 46.2217,
7.5140

■ 40.2017, 47.1908,
17.4870

■ 37.6854, 46.1250,
6.9168

■ 41.2503, 47.6223,
22.4659

■ 42.5182, 48.1415,
28.5975

■ 44.0177, 48.7534,
35.9475

■ 45.7605, 49.4626,
44.5769

■ 47.7574, 50.2735,
54.5425

■ 50.0184, 51.1902,
65.8976

■ 52.5532, 52.2163,
78.6928

Harmonies

Analogous

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



50.2330, 46.5663, 10.6672



38.7046, 46.5663, 10.6896



30.2823, 46.5663, 17.6956

Triad

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



38.7046, 46.5663, 10.6896



30.3292, 46.5663, 110.6437



69.4604, 46.5663, 68.9223

Complementary

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



38.7046, 46.5663, 10.6896



12.2963, 7.3900, 48.3583

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.



61.9872, 46.5663, 110.3531



38.7046, 46.5663, 10.6896



38.7801, 46.5663, 140.6974

Square

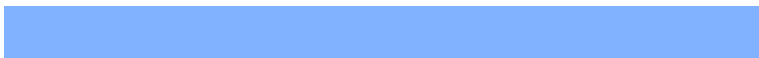
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7046, 46.5663, 10.6896



26.0525, 46.5663, 69.2125



50.3228, 46.5663, 140.5725



69.4306, 46.5663, 35.8277

Rectangle

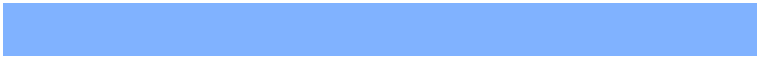
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7046, 46.5663, 10.6896



26.9753, 46.5663, 28.3169



50.3228, 46.5663, 140.5725



67.6920, 46.5663, 82.5641

Sweetspot

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



38.7057, 46.5685, 10.6906



79.4411, 88.2185, 63.5225



22.9776, 14.0244, 5.2379



16.9159, 18.9027, 12.8365



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.



38.7057, 46.5685, 10.6906



68.9359, 83.8773, 14.4907



26.4170, 40.2334, 10.1155



10.3002, 11.1092, 10.1780



25.6657, 31.4070, 4.7094



1.0122, 1.2338, 0.1848

Inverse Universe

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



12.2963, 7.3900, 48.3583



18.2143, 8.5746, 86.9213



18.8339, 10.7602, 48.6642



9.0361, 9.2355, 11.9786



6.2252, 2.4953, 32.5464



0.2508, 0.1013, 1.2752

Previews

White Background



This preview shows how the XYZ color 38.7046, 46.5663, 10.6896 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 38.7046, 46.5663, 10.6896 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 38.7046, 46.5663, 10.6896

Background



This preview shows how black text looks on a background with the XYZ color 38.7046, 46.5663, 10.6896.



This preview shows how white text looks on a background with the XYZ color 38.7046, 46.5663,

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

38.7046, 46.5663, 10.6896

Protanopia

42.0224, 46.4187, 10.2349

Deuteranopia

47.3006, 46.1837, 10.9788



Tritanopia

47.7366, 46.5951, 54.6219

Trichromacy



Original Color

38.7046, 46.5663, 10.6896

Protanomaly

40.5950, 46.2926, 10.4102

Deuteranomaly

43.8874, 46.1641, 10.8724

Tritanomaly

43.1213, 45.9031, 31.7867

Monochromacy



Original Color

38.7046, 46.5663, 10.6896

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.0811, 42.7996, 27.3732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7046, 46.5663, 10.6896 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(185, 188, 56)` looks like.

```
.text, #text, p{  
    color:rgb(185, 188, 56)  
}
```

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(185, 188, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 188, 56) }
```

Border

The CSS property to change the border of an element to XYZ 38.7046, 46.5663, 10.6896 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(185, 188, 56) }
```


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

```
.border{ border-color:rgb(185, 188, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 188, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 188, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 188, 56);  
box-shadow:4px 4px 4px 4px rgb(185, 188,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7046, 46.5663, 10.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 188, 56) }
```

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

```
.background{ background-color: rgb(185,  
188, 56) }
```

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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