

Converting Colors

XYZ(39.0391, 45.0551, 16.1678)

Have a look what the booklet for
XYZ(39.0391, 45.0551, 16.1678)
contains.

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Color

**XYZ(38.9864, 45.0273,
16.0875)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB759
RGB	186, 183, 89
RGB Percent	73%, 72%, 35%
CMY	0.2706, 0.2823, 0.6510
CMYK	0.00, 0.02, 0.52, 0.27
HSL	58°, 41%, 54%
HSV	58°, 52%, 73%
XYZ	38.9864, 45.0273, 16.0875
YIQ	173.1810, 31.9620, -28.5980

Conversions

Conversions Part 2

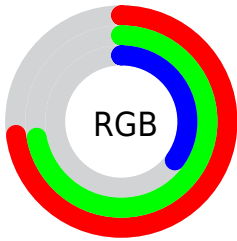
Format	Color
RYB	92, 186, 89
Decimal	12236633
CIELab	72.91, -11.73, 47.56
CIELCh	73, 48.986, 103.854
Yxy	45.0273, 0.3895, 0.4498
Android (android.graphics.Color)	4290426713 (0xFFBAB759)
YUV	173.1810, -41.5012, 11.2423
Hunter-Lab	67.1024, -13.7209, 32.7572

Details

The XYZ color **38.9864, 45.0273, 16.0875** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.8100, 13.3231, 48.1400**, and the grayscale version is **40.0076, 42.0911, 45.8372**.

A 20% lighter version of the original color is **72.9824, 82.8892, 37.3519**, and **17.6926, 20.9305, 4.9412** is the 20% darker color. If you saturate the color by 10%, you get **38.1842, 44.5189, 12.4417**, and if you desaturate by 10%, it is **39.9886, 45.6198, 20.7746**.

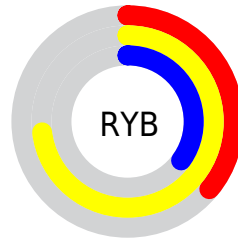
Distribution



Red (73%)

Green (72%)

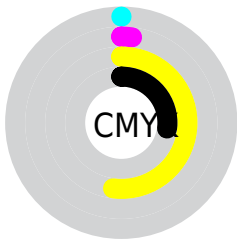
Blue (35%)



Red (36%)

Yellow (73%)

Blue (35%)

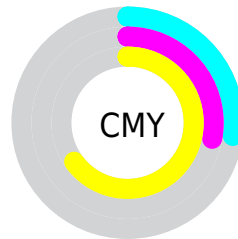


Cyan (0%)

Magenta (2%)

Yellow (52%)

Black (27%)



Cyan (27%)


Magenta (28%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9864, 45.0273, 16.0875 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 38.9864, 45.0273, 16.0875 by changing the saturation by 10% instead.


 38.9864, 45.0273,
16.0875


 38.9864, 45.0273,
16.0875


333.0408,
366.8841, 241.7208


 26.9298, 31.4789,
9.4311

 72.9117, 82.7614,
37.5189


 17.6568, 20.9638,
4.9228


 95.5112, 107.7159,
53.1310

 10.8021, 13.0976,
2.1441


 122.3557,
137.2412, 72.5654

 6.0002, 7.4958,
0.6418

 153.8106,
171.7218, 96.2407

 2.8859, 3.7740,
0.0000

190.2412,
211.5419, 124.5753

 1.0937, 1.5480,
0.0000

232.0128,

 0.0198, 0.3221,

257.0861, 157.9878

0.0000

279.4909,
308.7387, 196.8968

■ 0.0000, 0.0000,
0.0000

■ 38.9864, 45.0273,
16.0875

■ 38.9864, 45.0273,
16.0875

■ 38.1842, 44.5189,
12.4417

■ 39.9886, 45.6198,
20.7746

■ 37.5636, 44.0822,
9.7544

■ 41.2011, 46.2955,
26.5717

■ 37.1083, 43.7125,
7.9353

■ 42.6374, 47.0615,
33.5449

■ 36.7976, 43.4013,
6.8751

■ 44.3090, 47.9224,
41.7544

■ 36.6228, 43.1853,
6.4054

■ 46.2264, 48.8825,
51.2562

■ 48.3997, 49.9456,
62.1031

■ 50.8383, 51.1157,
74.3446

■ 53.5512, 52.3962,
88.0280

■ 56.3202, 53.7000,
102.0045

Harmonies

Analogous

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



47.5250, 45.0273, 16.3201



38.9864, 45.0273, 16.0875



32.4041, 45.0273, 22.3445

Triad

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



38.9864, 45.0273, 16.0875



32.0201, 45.0273, 89.3322



60.5760, 45.0273, 63.2931

Complementary

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



38.9864, 45.0273, 16.0875



16.8100, 13.3231, 48.1400

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.



55.2040, 45.0273, 91.3297



38.9864, 45.0273, 16.0875



38.3937, 45.0273, 109.4503

Square

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



38.9864, 45.0273, 16.0875



28.7588, 45.0273, 61.1647



46.8484, 45.0273, 110.2835



60.7904, 45.0273, 38.6118

Rectangle

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



38.9864, 45.0273, 16.0875



29.6907, 45.0273, 31.0953



46.8484, 45.0273, 110.2835



59.2843, 45.0273, 72.7918

Sweetspot

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



38.9875, 45.0294, 16.0884



79.0128, 86.1987, 69.2802



25.7644, 18.3611, 12.3655



17.2624, 18.9115, 14.5810



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.



38.9875, 45.0294, 16.0884



68.9736, 80.5334, 21.5002



30.3016, 41.4786, 15.8609



9.7258, 10.4545, 9.6122



24.6492, 29.0749, 4.3129



0.8764, 1.0399, 0.1545

Inverse Universe

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



16.8100, 13.3231, 48.1400



24.2789, 16.6481, 86.1352



22.3098, 15.7807, 48.3246



8.5427, 8.7627, 11.3206



6.0148, 2.4894, 31.4165



0.2196, 0.1029, 1.1100

Previews

White Background



This preview shows how the XYZ color 38.9864, 45.0273, 16.0875 looks on a white background.

Color Contrast Check

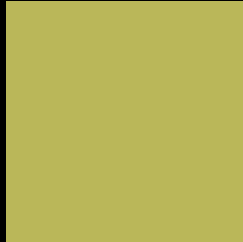
Large Text (above 18pt) WCAG AA × Fail

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 38.9864, 45.0273, 16.0875 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 38.9864, 45.0273, 16.0875

Background



This preview shows how black text looks on a background with the XYZ color 38.9864, 45.0273, 16.0875.



This preview shows how white text looks on a background with the XYZ color 38.9864, 45.0273,

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

38.9864, 45.0273, 16.0875

Protanopia

41.1703, 44.9505, 15.7389

Deuteranopia

45.8217, 44.7378, 16.3454



Tritanopia

46.3804, 44.7860, 52.6544

Trichromacy



Original Color

38.9864, 45.0273, 16.0875

Protanomaly

40.3308, 44.8164, 15.7573

Deuteranomaly

43.2307, 44.8252, 16.2711

Tritanomaly

42.8495, 44.4915, 35.6075

Monochromacy



Original Color

38.9864, 45.0273, 16.0875

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9647, 42.8623, 31.8108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9864, 45.0273, 16.0875 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(186, 183, 89)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 89)  
}
```

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(186, 183, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 89) }
```

Border

The CSS property to change the border of an element to XYZ 38.9864, 45.0273, 16.0875 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(186, 183, 89) }
```


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

```
.border{ border-color:rgb(186, 183, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 183, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 89);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9864, 45.0273, 16.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 89) }
```

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

```
.background{ background-color: rgb(186,  
183, 89) }
```

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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