

Converting Colors

XYZ(38.9874, 43.7523, 19.5986)

Have a look what the booklet for
XYZ(38.9874, 43.7523, 19.5986)
contains.

XYZ(38.8685, 43.6788, 19.4790)	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(38.8685, 43.6788,
19.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB368
RGB	186, 179, 104
RGB Percent	73%, 70%, 41%
CMY	0.2706, 0.2980, 0.5921
CMYK	0.00, 0.04, 0.44, 0.27
HSL	55°, 37%, 57%
HSV	55°, 44%, 73%
XYZ	38.8685, 43.6788, 19.4790
YIQ	172.5430, 28.2470, -21.8410

Conversions

Conversions Part 2

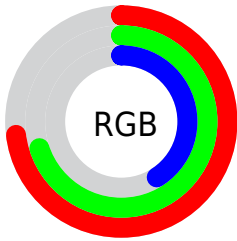
Format	Color
RYB	112, 186, 104
Decimal	12235624
CIELab	72.01, -8.24, 39.05
CIELCh	72, 39.913, 101.914
Yxy	43.6788, 0.3810, 0.4281
Android (android.graphics.Color)	4290425704 (0xFFBAB368)
YUV	172.5430, -33.7917, 11.8018
Hunter-Lab	66.0899, -10.6788, 28.7881

Details

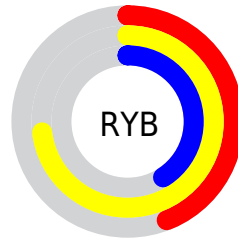
The XYZ color **38.8685, 43.6788, 19.4790** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.2562, 17.8566, 48.8333**, and the grayscale version is **39.6452, 41.7098, 45.4220**.

A 20% lighter version of the original color is **72.6712, 80.8716, 43.2321**, and **17.4868, 20.0133, 6.4313** is the 20% darker color. If you saturate the color by 10%, you get **37.7103, 42.7112, 14.9349**, and if you desaturate by 10%, it is **40.2409, 44.7411, 25.1236**.

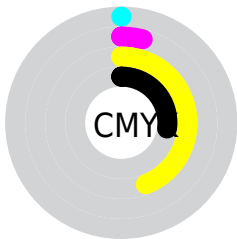
Distribution



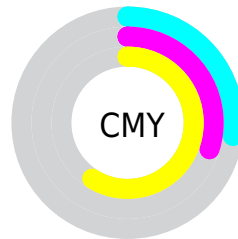
- Red (73%)
- Green (70%)
- Blue (41%)



- Red (44%)
- Yellow (73%)
- Blue (41%)



- Cyan (0%)
- Magenta (4%)
- Yellow (44%)
- Black (27%)



- Cyan (27%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8685, 43.6788, 19.4790 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 38.8685, 43.6788, 19.4790 by changing the saturation by 10% instead.

■ 38.8685, 43.6788,
19.4790

■ 38.8685, 43.6788,
19.4790

332.5479,
361.3959, 261.5908

■ 26.8377, 30.4181,
11.8366

■ 72.7327, 80.7342,
43.3894

■ 17.5873, 20.1561,
6.5113

■ 95.2969, 105.2977,
60.4944

■ 10.7520, 12.5086,
3.0846

■ 122.1029,
134.3975, 81.5908

■ 5.9664, 7.0910,
1.1380

■ 153.5161,
168.4181, 107.0969

■ 2.8651, 3.5191,
0.0000

189.9018,
207.7438, 137.4315

■ 1.0828, 1.4084,
0.0000

231.6255,

■ 0.0107, 0.2229,

252.7591, 173.0129

0.0000

279.0524,
303.8484, 214.2599

■ 0.0000, 0.0000,
0.0000

■ 38.8685, 43.6788,
19.4790

■ 38.8685, 43.6788,
19.4790

■ 37.7103, 42.7112,
14.9349

■ 40.2409, 44.7411,
25.1236

■ 36.7492, 41.8266,
11.4156

■ 41.8369, 45.8972,
31.9323

■ 35.9708, 41.0210,
8.8402


■ 43.6692, 47.1537,
39.9670


■ 35.3571, 40.2871,
7.1145

■ 45.7486, 48.5149,
49.2846


■ 34.8865, 39.6161,
6.1246

■ 48.0852, 49.9849,
59.9383

 34.6493, 39.2384,
5.7476

 50.6885, 51.5676,
71.9784

 53.5677, 53.2666,
85.4524

 56.7312, 55.0853,
100.4058

 57.4327, 55.9252,
102.3754

Harmonies

Analogous

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



45.7175, 43.6788, 20.0614



38.8685, 43.6788, 19.4790



33.3628, 43.6788, 24.7422

Triad

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



38.8685, 43.6788, 19.4790



32.5080, 43.6788, 77.2907



55.2588, 43.6788, 60.1859

Complementary

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



38.8685, 43.6788, 19.4790



20.2562, 17.8566, 48.8333

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.



50.8984, 43.6788, 81.3072



38.8685, 43.6788, 19.4790



37.5790, 43.6788, 92.8951

Square

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



38.8685, 43.6788, 19.4790



29.9687, 43.6788, 55.7347



44.2798, 43.6788, 94.5386



55.7018, 43.6788, 40.2243

Rectangle

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



38.8685, 43.6788, 19.4790



30.9947, 43.6788, 31.9886



44.2798, 43.6788, 94.5386



54.1822, 43.6788, 67.5045

Sweetspot

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



38.8696, 43.6808, 19.4799



79.4631, 85.6760, 73.8177



28.1361, 21.5145, 18.0581



17.3263, 18.7515, 15.4898



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.



38.8696, 43.6808, 19.4799



68.3922, 77.4517, 27.2221



33.2325, 42.9091, 19.6281



9.6829, 10.3688, 9.5979



23.3382, 26.4528, 3.8758



0.8421, 0.9713, 0.1431

Inverse Universe

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



20.2562, 17.8566, 48.8333



30.2951, 24.6129, 87.3554



24.0974, 18.7478, 48.8029



8.5811, 8.8394, 11.3333



6.1101, 2.6799, 31.4483



0.2362, 0.1360, 1.1156

Previews

White Background



This preview shows how the XYZ color 38.8685, 43.6788, 19.4790 looks on a white background.

Color Contrast Check

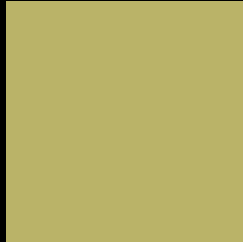
Large Text (above 18pt) WCAG AA × Fail

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 38.8685, 43.6788, 19.4790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

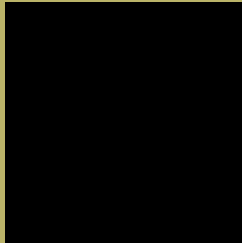
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8685, 43.6788, 19.4790

Background



This preview shows how black text looks on a background with the XYZ color 38.8685, 43.6788, 19.4790.



This preview shows how white text looks on a background with the XYZ color 38.8685, 43.6788,

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

38.8685, 43.6788, 19.4790

Protanopia

40.1626, 43.7610, 19.1619

Deuteranopia

44.3357, 43.3420, 19.6648



Tritanopia

45.1701, 43.6377, 50.8419

Trichromacy



Original Color

38.8685, 43.6788, 19.4790

Protanomaly

39.6038, 43.7672, 19.1925

Deuteranomaly

42.2042, 43.3623, 19.5100

Tritanomaly

42.2622, 43.2966, 36.7015

Monochromacy



Original Color

38.8685, 43.6788, 19.4790

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.0354, 42.2630, 34.1172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8685, 43.6788, 19.4790 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, 179, 104)` looks like.

```
.text, #text, p{  
    color:rgb(186, 179, 104)  
}
```

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, 179, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 179, 104) }
```

Border

The CSS property to change the border of an element to XYZ 38.8685, 43.6788, 19.4790 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, 179, 104) }
```


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

```
.border{ border-color:rgb(186, 179, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 179, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 179, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 179, 104);  
box-shadow:4px 4px 4px 4px rgb(186, 179,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8685, 43.6788, 19.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 179, 104) }
```

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

```
.background{ background-color: rgb(186,  
179, 104) }
```

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