

Converting Colors

XYZ(37.5688, 43.1489, 6.3486)

Have a look what the booklet for
XYZ(37.5688, 43.1489, 6.3486)
contains.

XYZ(37.6060, 43.3166, 6.3789)	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(37.6060, 43.3166,
6.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB300
RGB	191, 179, 0
RGB Percent	75%, 70%, 0%
CMY	0.2510, 0.2980, 0.9999
CMYK	0.00, 0.06, 1.00, 0.25
HSL	56°, 100%, 37%
HSV	56°, 100%, 75%
XYZ	37.6060, 43.3166, 6.3789
YIQ	162.1820, 64.6110, -53.1250

Conversions

Conversions Part 2

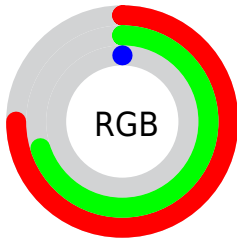
Format	Color
RYB	13, 191, 0
Decimal	12563200
CIELab	71.77, -11.25, 73.65
CIElCh	72, 74.504, 98.686
Yxy	43.3166, 0.4308, 0.4962
Android (android.graphics.Color)	4290753280 (0xFFBFB300)
YUV	162.1820, -79.9557, 25.2734
Hunter-Lab	65.8153, -13.1844, 40.3243

Details

The XYZ color **37.6060, 43.3166, 6.3789** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.5358, 4.0249, 49.5642**, and the grayscale version is **34.7722, 36.5831, 39.8390**.

A 20% lighter version of the original color is **70.6178, 79.9194, 19.1012**, and **17.2622, 20.1653, 2.9825** is the 20% darker color. If you saturate the color by 10%, you get **37.6066, 43.3181, 6.3792**, and if you desaturate by 10%, it is **37.9669, 43.8490, 7.0840**.

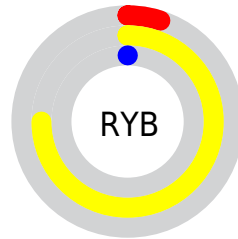
Distribution



Red (75%)

Green (70%)

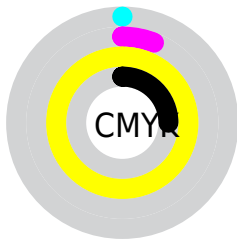
Blue (0%)



Red (5%)

Yellow (75%)

Blue (0%)

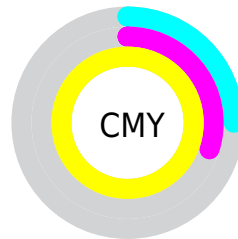


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6060, 43.3166, 6.3789 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 37.6060, 43.3166, 6.3789 by changing the saturation by 10% instead.


 37.6060, 43.3166,
6.3789


 37.6060, 43.3166,
6.3789


327.2369,
359.9122, 171.8284

 25.8529, 30.1336,
3.0043


 70.8116, 80.1884,
19.2035

 16.8457, 19.9400,
1.0968


 92.9948, 104.6460,
29.4906

 10.2192, 12.3515,
0.0000


 119.3855,
133.6306, 42.9189

 5.6079, 6.9835,
0.0000

 150.3488,
167.5266, 59.9071

 2.6465, 3.4518,
0.0000

 186.2503,
206.7183, 80.8736

 0.9697, 1.3719,
0.0000

 227.4552,

 0.0000, 0.1959,

251.5902, 106.2369

0.0000

274.3290,
302.5267, 136.4157

■ 0.0000, 0.0000,
0.0000

■ 37.6060, 43.3166,
6.3789

■ 37.6060, 43.3166,
6.3789

■ 37.6066, 43.3181,
6.3792

■ 37.9669, 43.8490,
7.0840

■ 38.4453, 44.4301,
8.4018

■ 39.0841, 45.0787,
10.5538

■ 39.9045, 45.8033,
13.6517

■ 40.9245, 46.6111,
17.7903

■ 42.1599, 47.5085,
23.0527

■ 43.6249, 48.5011,
29.5137

■ 45.3325, 49.5942,
37.2417

■ 47.2946, 50.7925,
46.2997

Harmonies

Analogous

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



50.6606, 43.3166, 7.4820



37.6060, 43.3166, 6.3789



27.7621, 43.3166, 11.0076

Triad

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



37.6060, 43.3166, 6.3789



24.9532, 43.3166, 105.4810



68.2432, 43.3166, 77.2874

Complementary

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



37.6060, 43.3166, 6.3789



9.5358, 4.0249, 49.5642

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.



58.3232, 43.3166, 125.1174



37.6060, 43.3166, 6.3789



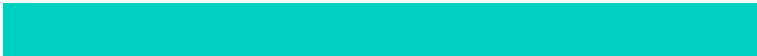
32.9475, 43.3166, 146.3794

Square

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



37.6060, 43.3166, 6.3789



21.5032, 43.3166, 58.4860



44.9547, 43.3166, 154.9810



70.2012, 43.3166, 37.4072

Rectangle

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



37.6060, 43.3166, 6.3789



23.6905, 43.3166, 19.4328



44.9547, 43.3166, 154.9810



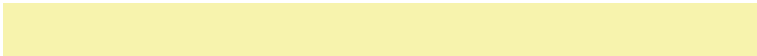
65.6444, 43.3166, 93.4252

Sweetspot

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



37.6070, 43.3187, 6.3798



77.9960, 86.7762, 52.2474



21.5570, 11.1051, 1.3797



16.8718, 18.8847, 10.3391



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.6070, 43.3187, 6.3798



67.2861, 77.4474, 11.4025



24.8445, 40.4647, 6.5016



10.2696, 11.0151, 10.1615



24.7370, 28.5127, 4.1997



0.9846, 1.1482, 0.1697

Inverse Universe

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



9.5358, 4.0249, 49.5642



17.0210, 7.0940, 88.7513



12.9517, 5.5908, 49.6864



9.0633, 9.3190, 11.9933



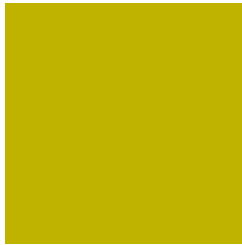
6.2879, 2.6876, 32.5802



0.2629, 0.1386, 1.2817

Previews

White Background



This preview shows how the XYZ color 37.6060, 43.3166, 6.3789 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 37.6060, 43.3166, 6.3789 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 37.6060, 43.3166, 6.3789

Background



This preview shows how black text looks on a background with the XYZ color 37.6060, 43.3166, 6.3789.

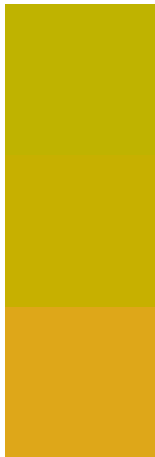


This preview shows how white text looks on a background with the XYZ color 37.6060, 43.3166,

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

37.6060, 43.3166, 6.3789

Protanopia

39.0785, 43.1928, 6.2774

Deuteranopia

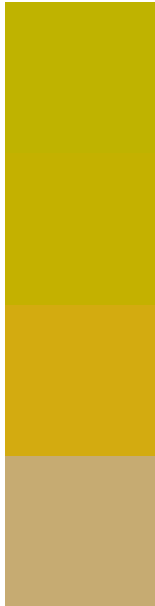
44.1184, 43.2372, 6.9400



Tritanopia

46.1300, 43.0837, 48.5325

Trichromacy



Original Color

37.6060, 43.3166, 6.3789

Protanomaly

38.4871, 43.1800, 6.3061

Deuteranomaly

41.5204, 43.0121, 6.6040

Tritanomaly

40.8889, 42.3465, 21.9382

Monochromacy



Original Color

37.6060, 43.3166, 6.3789

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6844, 37.8688, 18.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6060, 43.3166, 6.3789 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(191, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 179, 0)  
}
```

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(191, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.6060, 43.3166, 6.3789 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(191, 179, 0) }
```


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

```
.border{ border-color:rgb(191, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6060, 43.3166, 6.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 179, 0) }
```

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

```
.background{ background-color: rgb(191,  
179, 0) }
```

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