

Converting Colors

XYZ(33.8071, 36.0910, 5.1844)

Have a look what the booklet for
XYZ(33.8071, 36.0910, 5.1844)
contains.

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Color

**XYZ(33.8060, 36.0888,
5.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA000
RGB	190, 160, 0
RGB Percent	75%, 63%, 0%
CMY	0.2549, 0.3725, 0.9999
CMYK	0.00, 0.16, 1.00, 0.25
HSL	51°, 100%, 37%
HSV	51°, 100%, 75%
XYZ	33.8060, 36.0888, 5.1841
YIQ	150.7300, 69.2400, -43.4000

Conversions

Conversions Part 2

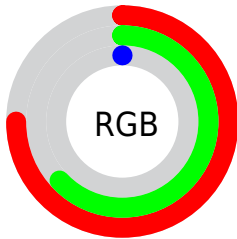
Format	Color
R_{YB}	36, 190, 0
Decimal	12492800
CIE Lab	66.59, -1.72, 69.90
CIE LCh	67, 69.926, 91.411
Yxy	36.0888, 0.4503, 0.4807
Android (android.graphics.Color)	4290682880 (0xFFBEA000)
YUV	150.7300, -74.3099, 34.4398
Hunter-Lab	60.0740, -4.6804, 36.9353

Details

The XYZ color **33.8060, 36.0888, 5.1841** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.7589, 4.6468, 49.0973**, and the grayscale version is **29.5884, 31.1293, 33.8998**.

A 20% lighter version of the original color is **64.7409, 68.9251, 16.5483**, and **14.9844, 15.8428, 2.2682** is the 20% darker color. If you saturate the color by 10%, you get **33.8063, 36.0897, 5.1842**, and if you desaturate by 10%, it is **34.4507, 37.1903, 5.9795**.

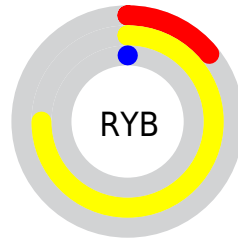
Distribution



Red (75%)

Green (63%)

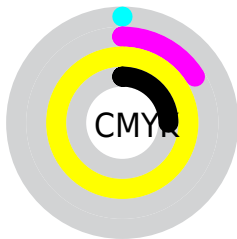
Blue (0%)



Red (14%)

Yellow (75%)

Blue (0%)

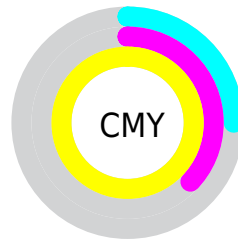


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8060, 36.0888, 5.1841 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 33.8060, 36.0888, 5.1841 by changing the saturation by 10% instead.


 33.8060, 36.0888,
5.1841


 33.8060, 36.0888,
5.1841


310.8673,
329.3485, 160.5958


 22.9068, 24.5028,
2.2951


 64.9782, 69.1691,
16.6598


 14.6450, 15.7070,
0.7284


 85.9818, 91.4322,
26.0835


 8.6553, 9.3171,
0.0000


 111.0843,
118.0231, 38.5224

 4.5723, 4.9486,
0.0000

 140.6511,
149.3262, 54.3953

 2.0308, 2.2171,
0.0000

 175.0474,
185.7259, 74.1205

 0.6511, 0.7293,
0.0000

 214.6386,

 0.0000, 0.0000,

227.6066, 98.1166

0.0000

259.7902,
275.3526, 126.8022

33.8060, 36.0888,
5.1841

33.8060, 36.0888,
5.1841

33.8063, 36.0897,
5.1842

34.4507, 37.1903,
5.9795

35.2221, 38.3612,
7.3831

36.1626, 39.6201,
9.6144

37.2933, 40.9756,
12.7838

38.6319, 42.4348,
16.9847

■ 40.1941, 44.0043,
22.2993

■ 41.9941, 45.6898,
28.8014

■ 44.0447, 47.4965,
36.5585

■ 46.3578, 49.4293,
45.6330

Harmonies

Analogous

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



44.9116, 36.0888, 7.2312



33.8060, 36.0888, 5.1841



24.8083, 36.0888, 7.7022

Triad

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



33.8060, 36.0888, 5.1841



19.7806, 36.0888, 77.8457



55.2876, 36.0888, 74.0158

Complementary

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



33.8060, 36.0888, 5.1841



9.7589, 4.6468, 49.0973

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.



45.9513, 36.0888, 112.3000



33.8060, 36.0888, 5.1841



25.5094, 36.0888, 115.1952

Square

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



33.8060, 36.0888, 5.1841



17.8024, 36.0888, 40.7373



34.8015, 36.0888, 130.2271



58.7365, 36.0888, 37.8863

Rectangle

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



33.8060, 36.0888, 5.1841



20.8034, 36.0888, 13.1175



34.8015, 36.0888, 130.2271



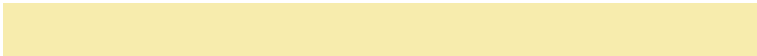
52.6510, 36.0888, 87.5911

Sweetspot

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



33.8068, 36.0906, 5.1848



75.9286, 82.6415, 51.5583



21.4915, 11.0499, 2.3439



16.3575, 17.8561, 10.1677



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.



33.8068, 36.0906, 5.1848



61.1103, 65.0958, 9.3439



27.1169, 41.3134, 6.5455



10.1905, 10.8570, 10.1351



22.5269, 24.0926, 3.4630



0.9174, 1.0137, 0.1473

Inverse Universe

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



9.7589, 4.6468, 49.0973



17.5698, 8.1914, 88.9342



11.3662, 4.7861, 49.0394



9.1349, 9.4621, 12.0171



6.5269, 3.1656, 32.6599



0.2945, 0.2017, 1.2923

Previews

White Background



This preview shows how the XYZ color 33.8060, 36.0888, 5.1841 looks on a white background.

Color Contrast Check

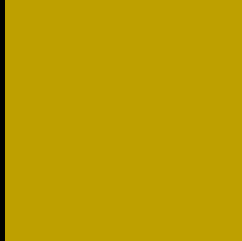
Large Text (above 18pt) WCAG AA × Fail

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 33.8060, 36.0888, 5.1841 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 33.8060, 36.0888, 5.1841

Background



This preview shows how black text looks on a background with the XYZ color 33.8060, 36.0888, 5.1841.

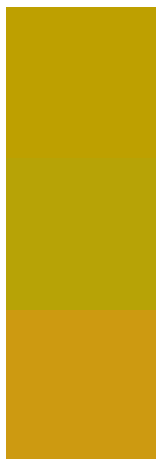


This preview shows how white text looks on a background with the XYZ color 33.8060, 36.0888, 5.1841.

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

33.8060, 36.0888, 5.1841

Protanopia

32.6585, 36.2748, 5.4527

Deuteranopia

36.8336, 36.1308, 5.5629



Tritanopia

40.6458, 36.1751, 38.0979

Trichromacy



Original Color

33.8060, 36.0888, 5.1841

Protanomaly

33.1919, 36.2885, 5.3698

Deuteranomaly

35.7683, 36.0805, 5.3956

Tritanomaly

36.5545, 35.4775, 17.4916

Monochromacy



Original Color

33.8060, 36.0888, 5.1841

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1840, 31.9551, 15.6961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8060, 36.0888, 5.1841 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(190, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 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(190, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.8060, 36.0888, 5.1841 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(190, 160, 0) }
```


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

```
.border{ border-color:rgb(190, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8060, 36.0888, 5.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 0) }
```

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

```
.background{ background-color: rgb(190,  
160, 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](#).

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