

Converting Colors

XYZ(36.0732, 42.0321, 6.2117)

Have a look what the booklet for
XYZ(36.0732, 42.0321, 6.2117)
contains.

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Color

**XYZ(35.9718, 41.8834,
6.1884)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB100
RGB	186, 177, 0
RGB Percent	73%, 69%, 0%
CMY	0.2706, 0.3059, 0.9999
CMYK	0.00, 0.05, 1.00, 0.27
HSL	57°, 100%, 36%
HSV	57°, 100%, 73%
XYZ	35.9718, 41.8834, 6.1884
YIQ	159.5130, 62.1810, -53.1390

Conversions

Conversions Part 2

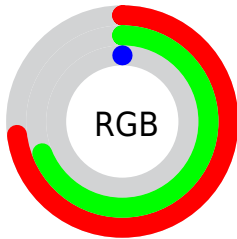
Format	Color
RYB	9, 186, 0
Decimal	12235008
CIELab	70.79, -12.43, 72.74
CIELCh	71, 73.797, 99.695
Yxy	41.8834, 0.4280, 0.4984
Android (android.graphics.Color)	4290425088 (0xFFBAB100)
YUV	159.5130, -78.6399, 23.2291
Hunter-Lab	64.7174, -14.0399, 39.6327

Details

The XYZ color **35.9718, 41.8834, 6.1884** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.9609, 3.7409, 46.7036**, and the grayscale version is **33.5215, 35.2672, 38.4060**.

A 20% lighter version of the original color is **68.2739, 77.8706, 18.8292**, and **16.2357, 19.2564, 2.8611** is the 20% darker color. If you saturate the color by 10%, you get **35.9725, 41.8850, 6.1887**, and if you desaturate by 10%, it is **36.2652, 42.2876, 6.8501**.

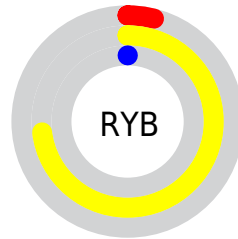
Distribution



Red (73%)

Green (69%)

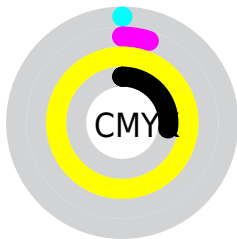
Blue (0%)



Red (4%)

Yellow (73%)

Blue (0%)

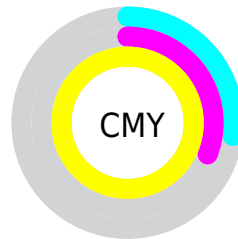


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9718, 41.8834, 6.1884 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 35.9718, 41.8834, 6.1884 by changing the saturation by 10% instead.


 35.9718, 41.8834,
6.1884


 35.9718, 41.8834,
6.1884


320.2707,
353.9994, 170.1051


 24.5824, 29.0100,
2.8893


 68.3127, 78.0231,
18.8051


 15.8933, 19.0884,
1.0384


 89.9949, 102.0582,
28.9598


 9.5390, 11.7342,
0.0000


 115.8388,
130.5827, 42.2368

 5.1543, 6.5629,
0.0000

 146.2097,
163.9810, 59.0546

 2.3738, 3.1903,
0.0000

 181.4730,
202.6373, 79.8318

 0.8320, 1.2319,
0.0000

 221.9940,

 0.0000, 0.0875,

246.9363, 104.9869

0.0000

268.1381,
297.2621, 134.9385

■ 0.0000, 0.0000,
0.0000

■ 35.9718, 41.8834,
6.1884

■ 35.9718, 41.8834,
6.1884

■ 35.9725, 41.8850,
6.1887

■ 36.2652, 42.2876,
6.8501

■ 36.6677, 42.7357,
8.0845

■ 37.2203, 43.2457,
10.1036

■ 37.9429, 43.8256,
13.0120

■ 38.8523, 44.4821,
16.8982

■ 39.9633, 45.2212,
21.8401

■ 41.2891, 46.0480,
27.9077

■ 42.8420, 46.9676,
35.1651

■ 44.6332, 47.9844,
43.6714

Harmonies

Analogous

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



48.5566, 41.8834, 7.0809



35.9718, 41.8834, 6.1884



26.5780, 41.8834, 10.8966

Triad

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



35.9718, 41.8834, 6.1884



24.2937, 41.8834, 103.6970



66.2437, 41.8834, 73.2529

Complementary

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



35.9718, 41.8834, 6.1884



8.9609, 3.7409, 46.7036

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.



56.8315, 41.8834, 119.7121



35.9718, 41.8834, 6.1884



32.1805, 41.8834, 142.6621

Square

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



35.9718, 41.8834, 6.1884



20.8094, 41.8834, 57.9362



43.9096, 41.8834, 149.6810



67.8396, 41.8834, 35.1590

Rectangle

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



35.9718, 41.8834, 6.1884



22.7367, 41.8834, 19.3276



43.9096, 41.8834, 149.6810



63.8093, 41.8834, 88.8251

Sweetspot

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



35.9727, 41.8854, 6.1892



74.7085, 83.3860, 49.9773



20.3007, 10.4598, 1.2165



16.2189, 18.2195, 9.9329



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.



35.9727, 41.8854, 6.1892



65.1498, 75.8135, 11.1997



23.0732, 37.9602, 6.1115



9.7120, 10.4269, 9.6076



24.2176, 28.2116, 4.1690



0.8652, 1.0175, 0.1508

Inverse Universe

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



8.9609, 3.7409, 46.7036



16.1926, 6.6819, 84.6377



12.4932, 5.4170, 46.8409



8.5550, 8.7873, 11.3247



6.0444, 2.5484, 31.4264



0.2249, 0.1135, 1.1118

Previews

White Background



This preview shows how the XYZ color 35.9718, 41.8834, 6.1884 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 35.9718, 41.8834, 6.1884 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 35.9718, 41.8834, 6.1884

Background



This preview shows how black text looks on a background with the XYZ color 35.9718, 41.8834, 6.1884.

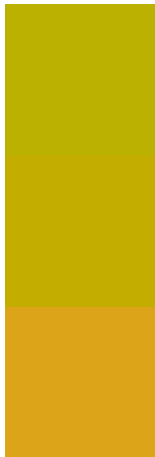


This preview shows how white text looks on a background with the XYZ color 35.9718, 41.8834,

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

35.9718, 41.8834, 6.1884

Protanopia

37.6417, 41.8742, 6.0986

Deuteranopia

42.6643, 41.6812, 6.7163



Tritanopia

44.4169, 41.9549, 47.3521

Trichromacy



Original Color

35.9718, 41.8834, 6.1884

Protanomaly

37.0682, 41.8664, 6.1273

Deuteranomaly

40.0136, 41.6787, 6.4261

Tritanomaly

39.1609, 40.9056, 21.4544

Monochromacy



Original Color

35.9718, 41.8834, 6.1884

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3967, 36.6668, 17.9403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9718, 41.8834, 6.1884 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, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 177, 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(186, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 177, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9718, 41.8834, 6.1884 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, 177, 0) }
```


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

```
.border{ border-color:rgb(186, 177, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 177, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 177,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9718, 41.8834, 6.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 177, 0) }
```

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

```
.background{ background-color: rgb(186,  
177, 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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