

Converting Colors

XYZ(35.5855, 42.8895, 6.4029)

Have a look what the booklet for
XYZ(35.5855, 42.8895, 6.4029)
contains.

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Color

**XYZ(35.5799, 42.8715,
6.3998)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B5B500 |
| RGB | 181, 181, 0 |
| RGB Percent | 71%, 71%, 0% |
| CMY | 0.2902, 0.2902, 0.9999 |
| CMYK | 0.00, 0.00, 1.00, 0.29 |
| HSL | 60°, 100%, 35% |
| HSV | 60°, 100%, 71% |
| XYZ | 35.5799, 42.8715, 6.3998 |
| YIQ | 160.3660, 58.1010, -56.2910 |

Conversions

Conversions Part 2

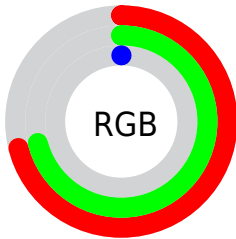
| Format | Color |
|-------------------------------------|---|
| RYB | 0, 181, 0 |
| Decimal | 11908352 |
| CIELab | 71.47, -16.67, 73.04 |
| CIElCh | 71, 74.922, 102.852 |
| Yxy | 42.8715, 0.4193, 0.5053 |
| Android (android.graphics.Color) | 4290098432 (0xFFB5B500) |
| YUV | 160.3660, -79.0604, 18.0960 |
| Hunter-Lab | 65.4763, -17.5865, 40.0383 |

Details

The XYZ color **35.5799, 42.8715, 6.3998** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.3415, 3.3370, 43.9232**, and the grayscale version is **33.9199, 35.6864, 38.8625**.

A 20% lighter version of the original color is **67.9711, 79.8337, 19.2241**, and **16.0186, 19.9115, 2.9990** is the 20% darker color. If you saturate the color by 10%, you get **35.5808, 42.8735, 6.4001**, and if you desaturate by 10%, it is **35.6911, 42.9176, 6.9802**.

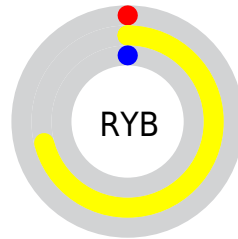
Distribution



Red (71%)

Green (71%)

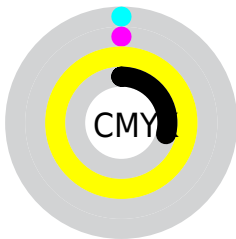
Blue (0%)



Red (0%)

Yellow (71%)

Blue (0%)

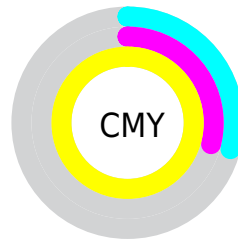


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5799, 42.8715, 6.3998 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 35.5799, 42.8715, 6.3998 by changing the saturation by 10% instead.


 35.5799, 42.8715,
6.3998


 35.5799, 42.8715,
6.3998


318.5840,
358.0830, 172.0161

 24.2785, 29.7843,
3.0170


 67.7113, 79.5169,
19.2471


 15.6662, 19.6749,
1.1033


 89.2720, 103.8439,
29.5486


 9.3776, 12.1590,
0.0000


 114.9832,
132.6863, 42.9934

 5.0474, 6.8520,
0.0000

 145.2102,
166.4285, 60.0001

 2.3101, 3.3697,
0.0000

 180.3185,
205.4549, 80.9871

 0.7998, 1.3277,
0.0000

 220.6733,

 0.0000, 0.1625,

250.1498, 106.3731

0.0000

266.6400,
300.8978, 136.5766

■ 0.0000, 0.0000,
0.0000

■ 35.5799, 42.8715,
6.3998

■ 35.5799, 42.8715,
6.3998

■ 35.5808, 42.8735,
6.4001

■ 35.6911, 42.9176,
6.9802

■ 35.9029, 43.0023,
8.0948

■ 36.2546, 43.1431,
9.9464

■ 36.7648, 43.3472,
12.6324

■ 37.4492, 43.6209,
16.2358

■ 38.3217, 43.9699,
20.8291

■ 39.3945, 44.3991,
26.4779

■ 40.6791, 44.9129,
33.2420

■ 42.1861, 45.5157,
41.1768

Harmonies

Analogous

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



48.3384, 42.8715, 6.7654



35.5799, 42.8715, 6.3998



26.3588, 42.8715, 11.9966

Triad

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



35.5799, 42.8715, 6.3998



25.4073, 42.8715, 111.7846



68.6477, 42.8715, 70.3440

Complementary

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



35.5799, 42.8715, 6.3998



8.3415, 3.3370, 43.9232

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.



59.6032, 42.8715, 118.5162



35.5799, 42.8715, 6.3998



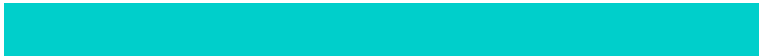
33.9970, 42.8715, 149.7129

Square

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



35.5799, 42.8715, 6.3998



21.3563, 42.8715, 63.9281



46.3939, 42.8715, 152.6677



69.3172, 42.8715, 32.8517

Rectangle

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



35.5799, 42.8715, 6.3998



22.7288, 42.8715, 21.5870



46.3939, 42.8715, 152.6677



66.4122, 42.8715, 86.1651

Sweetspot

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



35.5809, 42.8735, 6.4007



70.4429, 79.4699, 46.8527



19.0576, 9.8248, 0.8925



15.0451, 17.1042, 9.1780



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.5809, 42.8735, 6.4007



63.7204, 76.7807, 11.4617



20.7915, 35.2493, 5.7085



9.1971, 9.9067, 9.0800



24.5272, 29.5543, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



8.3415, 3.3370, 43.9232



14.9377, 5.9751, 78.6606



12.6077, 5.5363, 44.1229



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 35.5799, 42.8715, 6.3998 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 35.5799, 42.8715, 6.3998 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 35.5799, 42.8715, 6.3998

Background



This preview shows how black text looks on a background with the XYZ color 35.5799, 42.8715, 6.3998.



This preview shows how white text looks on a background with the XYZ color 35.5799, 42.8715,

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

35.5799, 42.8715, 6.3998

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

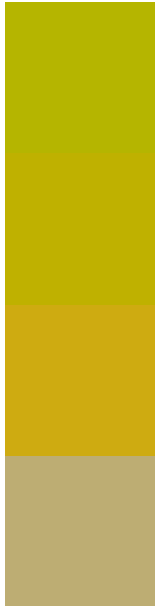
43.6528, 42.7237, 6.9827



Tritanopia

44.3354, 42.6789, 49.6172

Trichromacy



Original Color

35.5799, 42.8715, 6.3998

Protanomaly

37.2080, 42.5206, 6.2462

Deuteranomaly

40.1177, 42.2881, 6.5783

Tritanomaly

39.0243, 41.9438, 22.2588

Monochromacy



Original Color

35.5799, 42.8715, 6.3998

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5494, 37.2894, 18.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5799, 42.8715, 6.3998 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(181, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 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(181, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.5799, 42.8715, 6.3998 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(181, 181, 0) }
```


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

```
.border{ border-color:rgb(181, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5799, 42.8715, 6.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 0) }
```

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

```
.background{ background-color: rgb(181,  
181, 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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