

Converting Colors

XYZ(35.8154, 42.4288, 6.3019)

Have a look what the booklet for
XYZ(35.8154, 42.4288, 6.3019)
contains.

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Color

**XYZ(35.8873, 42.4305,
6.2985)**

Conversions

Conversions Part 1

Format	Color
Hex	B8B300
RGB	184, 179, 0
RGB Percent	72%, 70%, 0%
CMY	0.2784, 0.2980, 0.9999
CMYK	0.00, 0.03, 1.00, 0.28
HSL	58°, 100%, 36%
HSV	58°, 100%, 72%
XYZ	35.8873, 42.4305, 6.2985
YIQ	160.0890, 60.4390, -54.6090

Conversions

Conversions Part 2

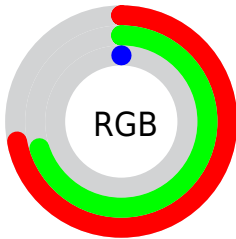
Format	Color
R_{YB}	5, 184, 0
Decimal	12104448
CIE _{Lab}	71.17, -14.33, 72.94
CIE _{LCh}	71, 74.333, 101.118
Yxy	42.4305, 0.4241, 0.5014
Android (android.graphics.Color)	4290294528 (0xFFB8B300)
YUV	160.0890, -78.9239, 20.9699
Hunter-Lab	65.1387, -15.6505, 39.8641

Details

The XYZ color **35.8873, 42.4305, 6.2985** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.7064, 3.5697, 45.5773**, and the grayscale version is **33.7900, 35.5497, 38.7136**.

A 20% lighter version of the original color is **68.1423, 78.6432, 18.9853**, and **16.1936, 19.6144, 2.9325** is the 20% darker color. If you saturate the color by 10%, you get **35.8880, 42.4322, 6.2987**, and if you desaturate by 10%, it is **36.1011, 42.6781, 6.9254**.

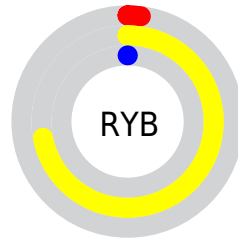
Distribution



Red (72%)

Green (70%)

Blue (0%)



Red (2%)

Yellow (72%)

Blue (0%)

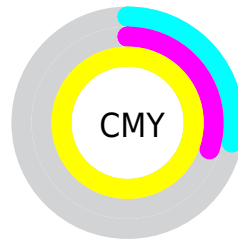


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8873, 42.4305, 6.2985 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 35.8873, 42.4305, 6.2985 by changing the saturation by 10% instead.

■ 35.8873, 42.4305,
6.2985

■ 35.8873, 42.4305,
6.2985

319.9075,
356.2644, 171.1039

■ 24.5169, 29.4385,
2.9557

■ 68.1831, 78.8508,
19.0356

■ 15.8443, 19.4128,
1.0721

■ 89.8392, 103.0478,
29.2671

■ 9.5042, 11.9689,
0.0000

■ 115.6545,
131.7487, 42.6318

■ 5.1312, 6.7225,
0.0000

■ 145.9944,
165.3379, 59.5484

■ 2.3600, 3.2892,
0.0000

■ 181.2244,
204.1996, 80.4354

■ 0.8251, 1.2845,
0.0000

■ 221.7096,

■ 0.0000, 0.1292,

248.7183, 105.7112

0.0000

267.8156,
299.2785, 135.7946

■ 0.0000, 0.0000,
0.0000

■ 35.8873, 42.4305,
6.2985

■ 35.8873, 42.4305,
6.2985

■ 35.8880, 42.4322,
6.2987

■ 36.1011, 42.6781,
6.9254

■ 36.4202, 42.9668,
8.1094

■ 36.8850, 43.3144,
10.0586

■ 37.5148, 43.7286,
12.8749

■ 38.3260, 44.2158,
16.6443

■ 39.3328, 44.7820,
21.4428

■ 40.5484, 45.4322,
27.3384

■ 41.9845, 46.1712,
34.3935

■ 43.6521, 47.0034,
42.6657

Harmonies

Analogous

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



48.5820, 42.4305, 6.9566



35.8873, 42.4305, 6.2985



26.5473, 42.4305, 11.4086

Triad

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



35.8873, 42.4305, 6.2985



24.8504, 42.4305, 107.5320



67.4813, 42.4305, 72.1256

Complementary

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



35.8873, 42.4305, 6.2985



8.7064, 3.5697, 45.5773

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.



58.2063, 42.4305, 119.4779



35.8873, 42.4305, 6.2985



33.0678, 42.4305, 146.1527

Square

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



35.8873, 42.4305, 6.2985



21.1063, 42.4305, 60.7186



45.1227, 42.4305, 151.3920



68.6707, 42.4305, 34.2019

Rectangle

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



35.8873, 42.4305, 6.2985



22.7911, 42.4305, 20.3685



45.1227, 42.4305, 151.3920



65.1283, 42.4305, 87.8516

Sweetspot

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



35.8883, 42.4325, 6.2994



73.3829, 82.2944, 48.9600



19.8010, 10.2042, 1.1027



15.6127, 17.6313, 9.5468



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.8883, 42.4325, 6.2994



65.0269, 76.8597, 11.4081



22.1929, 36.8855, 5.9505



9.7287, 10.4604, 9.6132



24.7427, 29.2618, 4.3440



0.8788, 1.0447, 0.1553

Inverse Universe

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



8.7064, 3.5697, 45.5773



15.7543, 6.4147, 82.6124



12.4784, 5.4337, 45.7383



8.5401, 8.7575, 11.3197



6.0085, 2.4768, 31.4144



0.2185, 0.1006, 1.1097

Previews

White Background



This preview shows how the XYZ color 35.8873, 42.4305, 6.2985 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 35.8873, 42.4305, 6.2985 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 35.8873, 42.4305, 6.2985

Background



This preview shows how black text looks on a background with the XYZ color 35.8873, 42.4305, 6.2985.



This preview shows how white text looks on a background with the XYZ color 35.8873, 42.4305,

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

35.8873, 42.4305, 6.2985

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

43.1568, 42.2005, 6.8482



Tritanopia

44.2786, 42.1292, 48.4458

Trichromacy



Original Color

35.8873, 42.4305, 6.2985

Protanomaly

37.2636, 42.2571, 6.1924

Deuteranomaly

40.2080, 42.0553, 6.5286

Tritanomaly

39.0860, 41.4171, 21.8538

Monochromacy



Original Color

35.8873, 42.4305, 6.2985

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5792, 37.0318, 18.0011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8873, 42.4305, 6.2985 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(184, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8873, 42.4305, 6.2985 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(184, 179, 0) }
```


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

```
.border{ border-color:rgb(184, 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(184, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8873, 42.4305, 6.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 179, 0) }
```

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

```
.background{ background-color: rgb(184,  
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](#).

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