

Converting Colors

XYZ(35.6912, 42.9352, 6.8700)

Have a look what the booklet for
XYZ(35.6912, 42.9352, 6.8700)
contains.

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Color

**XYZ(35.6662, 42.9060,
6.8538)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B50F
RGB	181, 181, 15
RGB Percent	71%, 71%, 6%
CMY	0.2902, 0.2902, 0.9411
CMYK	0.00, 0.00, 0.92, 0.29
HSL	60°, 85%, 38%
HSV	60°, 92%, 71%
XYZ	35.6662, 42.9060, 6.8538
YIQ	162.0760, 53.2860, -51.6260

Conversions

Conversions Part 2

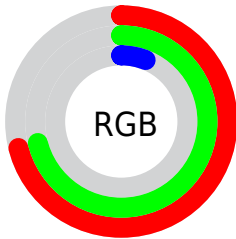
Format	Color
RYB	15, 181, 15
Decimal	11908367
CIELab	71.49, -16.48, 71.29
CIELCh	71, 73.167, 103.013
Yxy	42.9060, 0.4175, 0.5023
Android (android.graphics.Color)	4290098447 (0xFFB5B50F)
YUV	162.0760, -72.5085, 16.5963
Hunter-Lab	65.5027, -17.4364, 39.6481

Details

The XYZ color **35.6662, 42.9060, 6.8538** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.7093, 3.7802, 43.9893**, and the grayscale version is **34.6918, 36.4985, 39.7468**.

A 20% lighter version of the original color is **67.8196, 79.7337, 20.2032**, and **16.1624, 19.9856, 3.0058** is the 20% darker color. If you saturate the color by 10%, you get **35.5807, 42.8734, 6.4001**, and if you desaturate by 10%, it is **35.8571, 42.9840, 7.8541**.

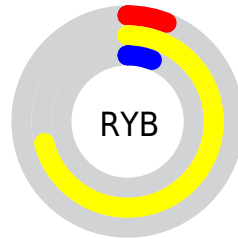
Distribution



Red (71%)

Green (71%)

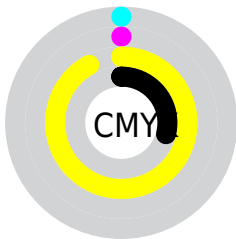
Blue (6%)



Red (6%)

Yellow (71%)

Blue (6%)

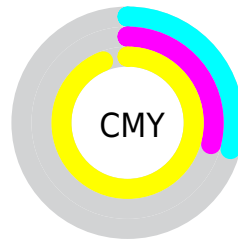


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (29%)



Cyan (29%)


Magenta (29%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6662, 42.9060, 6.8538 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 35.6662, 42.9060, 6.8538 by changing the saturation by 10% instead.


 35.6662, 42.9060,
6.8538


 35.6662, 42.9060,
6.8538


318.9560,
358.2251, 176.0279


 24.3454, 29.8114,
3.2938


 67.8438, 79.5690,
20.1863

 15.7162, 19.6955,
1.2465


 89.4313, 103.9061,
30.7959


 9.4131, 12.1739,
0.0174


 115.1718,
132.7596, 44.5924

 5.0709, 6.8622,
0.0000

 145.4306,
166.5137, 61.9944

 2.3241, 3.3761,
0.0000

 180.5730,
205.5529, 83.4204

 0.8069, 1.3311,
0.0000

 220.9645,

 0.0000, 0.1651,

250.2616, 109.2890

0.0000

266.9704,
301.0242, 140.0186

■ 0.0000, 0.0000,
0.0000

■ 35.6662, 42.9060,
6.8538

■ 35.6662, 42.9060,
6.8538

■ 35.5807, 42.8734,
6.4001

■ 35.8571, 42.9840,
7.8541

■ 36.1834, 43.1145,
9.5718

■ 36.6653, 43.3073,
12.1084

■ 37.3187, 43.5687,
15.5489

■ 38.1580, 43.9044,
19.9675

■ 39.1956, 44.3195,
25.4307

■ 40.4431, 44.8185,
31.9994

■ 41.9112, 45.4057,
39.7295

■ 43.6098, 46.0852,
48.6734

Harmonies

Analogous

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



48.1162, 42.9060, 7.1988



35.6662, 42.9060, 6.8538



26.6372, 42.9060, 12.5556

Triad

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



35.6662, 42.9060, 6.8538



25.7705, 42.9060, 110.1268



67.9545, 42.9060, 69.5255

Complementary

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



35.6662, 42.9060, 6.8538



8.7093, 3.7802, 43.9893

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.



59.2107, 42.9060, 116.1375



35.6662, 42.9060, 6.8538



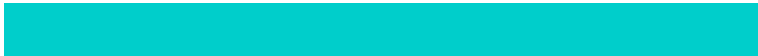
34.2317, 42.9060, 146.5531

Square

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



35.6662, 42.9060, 6.8538



21.7502, 42.9060, 63.7570



46.3625, 42.9060, 149.1835



68.5551, 42.9060, 33.0213

Rectangle

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



35.6662, 42.9060, 6.8538



23.0752, 42.9060, 22.1606



46.3625, 42.9060, 149.1835



65.8004, 42.9060, 84.8541

Sweetspot

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



35.6672, 42.9080, 6.8547



70.8754, 79.6429, 49.1299



19.3146, 10.2009, 1.4034



15.1270, 17.1370, 9.6093



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.



35.6672, 42.9080, 6.8547



63.7205, 76.7807, 11.4617



21.6492, 35.6815, 6.1986



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.



8.7093, 3.7802, 43.9893



14.9377, 5.9751, 78.6606



13.5501, 6.2756, 44.2159



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 35.6662, 42.9060, 6.8538 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 35.6662, 42.9060, 6.8538 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 35.6662, 42.9060, 6.8538

Background



This preview shows how black text looks on a background with the XYZ color 35.6662, 42.9060, 6.8538.



This preview shows how white text looks on a background with the XYZ color 35.6662, 42.9060,

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

35.6662, 42.9060, 6.8538

Protanopia

38.4223, 42.5568, 6.5370

Deuteranopia

43.7023, 42.7435, 7.2433



Tritanopia

44.3354, 42.6789, 49.6172

Trichromacy



Original Color

35.6662, 42.9060, 6.8538

Protanomaly

37.2806, 42.5497, 6.6288

Deuteranomaly

40.1920, 42.3178, 6.9695

Tritanomaly

39.3810, 42.0864, 24.1371

Monochromacy



Original Color

35.6662, 42.9060, 6.8538

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3105, 37.9151, 20.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6662, 42.9060, 6.8538 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 15) }
```

Border

The CSS property to change the border of an element to XYZ 35.6662, 42.9060, 6.8538 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, 15) }
```


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

```
.border{ border-color:rgb(181, 181, 15) }
```

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, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 15);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6662, 42.9060, 6.8538 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, 15) }
```

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

```
.background{ background-color: rgb(181,  
181, 15) }
```

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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