

Converting Colors

XYZ(33.2695, 42.4722, 6.4446)

Have a look what the booklet for
XYZ(33.2695, 42.4722, 6.4446)
contains.

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Color

**XYZ(33.2889, 42.6058,
6.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B800
RGB	168, 184, 0
RGB Percent	66%, 72%, 0%
CMY	0.3412, 0.2784, 0.9999
CMYK	0.09, 0.00, 1.00, 0.28
HSL	65°, 100%, 36%
HSV	65°, 100%, 72%
XYZ	33.2889, 42.6058, 6.4692
YIQ	158.2400, 49.5280, -60.6160

Conversions

Conversions Part 2

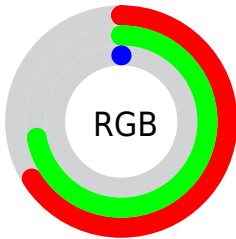
Format	Color
RYB	0, 184, 16
Decimal	11057152
CIELab	71.29, -23.79, 72.45
CIELCh	71, 76.259, 108.179
Yxy	42.6058, 0.4042, 0.5173
Android (android.graphics.Color)	4289247232 (0xFFA8B800)
YUV	158.2400, -78.0123, 8.5595
Hunter-Lab	65.2731, -23.1940, 39.8150

Details

The XYZ color **33.2889, 42.6058, 6.4692** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.8665, 3.5717, 45.5721**, and the grayscale version is **32.9380, 34.6534, 37.7375**.

A 20% lighter version of the original color is **64.2866, 79.2303, 19.4941**, and **14.6718, 19.6121, 3.0122** is the 20% darker color. If you saturate the color by 10%, you get **33.2894, 42.6075, 6.4695**, and if you desaturate by 10%, it is **33.7453, 42.8296, 7.0788**.

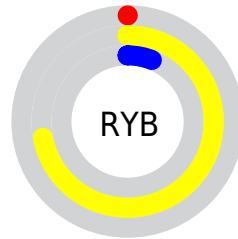
Distribution



Red (66%)

Green (72%)

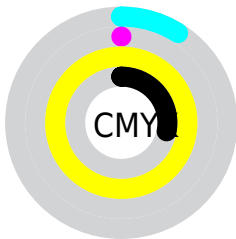
Blue (0%)



Red (0%)

Yellow (72%)

Blue (6%)

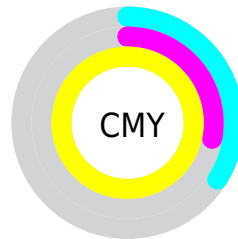


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (34%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2889, 42.6058, 6.4692 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 33.2889, 42.6058, 6.4692 by changing the saturation by 10% instead.


 33.2889, 42.6058,
6.4692


 33.2889, 42.6058,
6.4692


308.5915,
356.9881, 172.6373

 22.5081, 29.5759,
3.0591


 64.1780, 79.1157,
19.3915


 14.3494, 19.5169,
1.1249


 85.0170, 103.3644,
29.7407

 8.4474, 12.0444,
0.0000


 109.9395,
132.1217, 43.2401

 4.4368, 6.7739,
0.0000

 139.3108,
165.7717, 60.3080

 1.9521, 3.3211,
0.0000

 173.4964,
204.6990, 81.3632

 0.6068, 1.3016,
0.0000

 212.8614,

 0.0000, 0.1424,

249.2879, 106.8241

0.0000

257.7714,
299.9228, 137.1093

■ 0.0000, 0.0000,
0.0000

■ 33.2889, 42.6058,
6.4692

■ 33.2889, 42.6058,
6.4692

■ 33.2894, 42.6075,
6.4695

■ 33.7453, 42.8296,
7.0788

■ 34.3109, 43.0959,
8.2454

■ 35.0260, 43.4225,
10.1774

■ 35.9100, 43.8172,
12.9766

■ 36.9793, 44.2865,
16.7291

■ 38.2482, 44.8361,
21.5107

■ 39.7297, 45.4713,
27.3896

■ 41.4357, 46.1967,
34.4282

■ 43.3772, 47.0169,
42.6841

Harmonies

Analogous

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



45.7524, 42.6058, 5.9400



33.2889, 42.6058, 6.4692



24.7774, 42.6058, 13.4656

Triad

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



33.2889, 42.6058, 6.4692



26.1952, 42.6058, 121.2884



69.6950, 42.6058, 62.3892

Complementary

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



33.2889, 42.6058, 6.4692



8.8665, 3.5717, 45.5721

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.



61.7573, 42.6058, 111.0932



33.2889, 42.6058, 6.4692



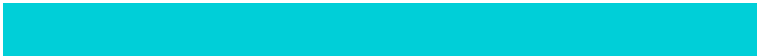
35.6576, 42.6058, 155.3106

Square

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



33.2889, 42.6058, 6.4692



21.3166, 42.6058, 72.0530



48.6737, 42.6058, 150.8247



68.6849, 42.6058, 27.6841

Rectangle

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



33.2889, 42.6058, 6.4692



21.6676, 42.6058, 24.8042



48.6737, 42.6058, 150.8247



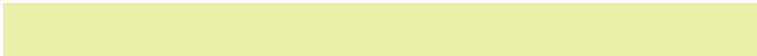
67.9263, 42.6058, 77.8517

Sweetspot

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



33.2899, 42.6078, 6.4701



71.8697, 82.3615, 49.0527



19.9442, 10.5426, 0.9843



15.2429, 17.6482, 9.5696



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.



33.2899, 42.6078, 6.4701



60.2394, 77.1801, 11.7223



20.1763, 35.8475, 5.8564



9.6711, 10.4626, 9.6167



22.9715, 29.3786, 4.4599



0.8325, 1.0474, 0.1583

Inverse Universe

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



8.8665, 3.5717, 45.5721



15.9898, 6.4313, 82.6032



14.7572, 6.6084, 45.8478



8.5916, 8.7558, 11.3167



6.1366, 2.4747, 31.4073



0.2407, 0.0998, 1.1083

Previews

White Background



This preview shows how the XYZ color 33.2889, 42.6058, 6.4692 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 33.2889, 42.6058, 6.4692 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 33.2889, 42.6058, 6.4692

Background



This preview shows how black text looks on a background with the XYZ color 33.2889, 42.6058, 6.4692.



This preview shows how white text looks on a background with the XYZ color 33.2889, 42.6058,

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

33.2889, 42.6058, 6.4692

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

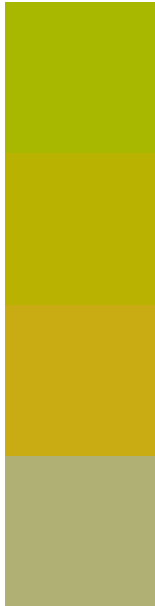
43.2047, 42.2196, 7.1004



Tritanopia

42.2707, 42.4103, 51.3055

Trichromacy



Original Color

33.2889, 42.6058, 6.4692

Protanomaly

36.1701, 42.2799, 6.2545

Deuteranomaly

38.9575, 41.9696, 6.6638

Tritanomaly

36.6407, 41.5651, 22.9213

Monochromacy



Original Color

33.2889, 42.6058, 6.4692

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.0680, 36.2584, 17.6730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2889, 42.6058, 6.4692 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(168, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 184, 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(168, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2889, 42.6058, 6.4692 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(168, 184, 0) }
```


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

```
.border{ border-color:rgb(168, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2889, 42.6058, 6.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 184, 0) }
```

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

```
.background{ background-color: rgb(168,  
184, 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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