

Converting Colors

XYZ(33.0300, 42.1635, 6.4014)

Have a look what the booklet for
XYZ(33.0300, 42.1635, 6.4014)
contains.

XYZ(33.0819, 42.1918, 6.4002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0819, 42.1918,
6.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B700
RGB	168, 183, 0
RGB Percent	66%, 72%, 0%
CMY	0.3412, 0.2823, 0.9999
CMYK	0.08, 0.00, 1.00, 0.28
HSL	65°, 100%, 36%
HSV	65°, 100%, 72%
XYZ	33.0819, 42.1918, 6.4002
YIQ	157.6530, 49.8030, -60.0930

Conversions

Conversions Part 2

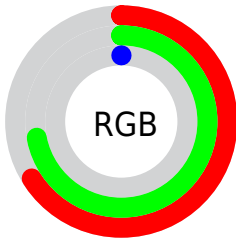
Format	Color
RYB	0, 183, 15
Decimal	11056896
CIELab	71.00, -23.30, 72.24
CIELCh	71, 75.907, 107.876
Yxy	42.1918, 0.4050, 0.5166
Android (android.graphics.Color)	4289246976 (0xFFA8B700)
YUV	157.6530, -77.7229, 9.0743
Hunter-Lab	64.9552, -22.7610, 39.6267

Details

The XYZ color **33.0819, 42.1918, 6.4002** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.7453, 3.5212, 45.0211**, and the grayscale version is **32.6691, 34.3704, 37.4294**.

A 20% lighter version of the original color is **63.9563, 78.6284, 19.2031**, and **14.5382, 19.3448, 2.9677** is the 20% darker color. If you saturate the color by 10%, you get **33.0824, 42.1935, 6.4005**, and if you desaturate by 10%, it is **33.5159, 42.4041, 7.0044**.

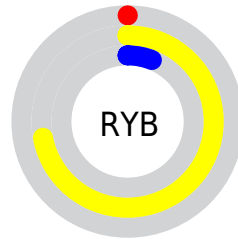
Distribution



Red (66%)

Green (72%)

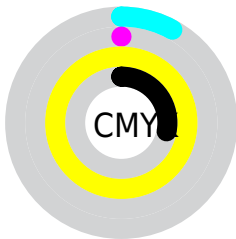
Blue (0%)



Red (0%)

Yellow (72%)

Blue (6%)

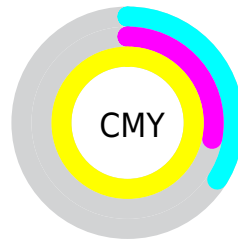


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (34%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0819, 42.1918, 6.4002 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 33.0819, 42.1918, 6.4002 by changing the saturation by 10% instead.


 33.0819, 42.1918,
6.4002


 33.0819, 42.1918,
6.4002


307.6771,
355.2774, 172.0197

 22.3487, 29.2515,
3.0172


 63.8572, 78.4898,
19.2479

 14.2314, 19.2712,
1.1034


 84.6300, 102.6163,
29.5497

 8.3646, 11.8664,
0.0000


 109.4801,
131.2404, 42.9948

 4.3829, 6.6528,
0.0000

 138.7729,
164.7464, 60.0018

 1.9209, 3.2459,
0.0000

 172.8736,
203.5187, 80.9893

 0.5890, 1.2614,
0.0000

 212.1476,

 0.0000, 0.1110,

247.9417, 106.3757

0.0000

256.9603,
298.3998, 136.5797

■ 0.0000, 0.0000,
0.0000

■ 33.0819, 42.1918,
6.4002

■ 33.0819, 42.1918,
6.4002

■ 33.0824, 42.1935,
6.4005

■ 33.5159, 42.4041,
7.0044

■ 34.0572, 42.6581,
8.1579

■ 34.7456, 42.9715,
10.0674

■ 35.6004, 43.3518,
12.8330

■ 36.6376, 43.8056,
16.5400

■ 37.8715, 44.3384,
21.2629

■ 39.3148, 44.9554,
27.0691

■ 40.9792, 45.6613,
34.0202

■ 42.8756, 46.4605,
42.1729

Harmonies

Analogous

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



45.4368, 42.1918, 5.9256



33.0819, 42.1918, 6.4002



24.6166, 42.1918, 13.2430

Triad

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



33.0819, 42.1918, 6.4002



25.8860, 42.1918, 119.5085



68.9325, 42.1918, 62.1984

Complementary

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



33.0819, 42.1918, 6.4002



8.7453, 3.5212, 45.0211

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.



61.0105, 42.1918, 110.3893



33.0819, 42.1918, 6.4002



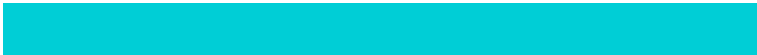
35.2021, 42.1918, 153.4212

Square

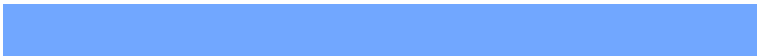
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.0819, 42.1918, 6.4002



21.1043, 42.1918, 70.8449



48.0511, 42.1918, 149.4092



68.0288, 42.1918, 27.6851

Rectangle

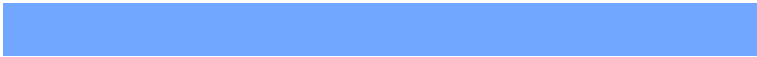
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.0819, 42.1918, 6.4002



21.5092, 42.1918, 24.3625



48.0511, 42.1918, 149.4092



67.1546, 42.1918, 77.5275

Sweetspot

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



33.0829, 42.1937, 6.4011



70.2681, 80.4502, 47.9037



19.6638, 10.3362, 0.9592



15.2716, 17.6630, 9.5709



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.



33.0829, 42.1937, 6.4011



59.1523, 75.5149, 11.4582



20.1851, 35.5447, 5.7975



9.6756, 10.4649, 9.6169



23.1052, 29.4475, 4.4662



0.8361, 1.0492, 0.1585

Inverse Universe

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



8.7453, 3.5212, 45.0211



15.5854, 6.2662, 80.6238



14.2233, 6.3453, 45.2775



8.5876, 8.7537, 11.3165



6.1251, 2.4688, 31.4068



0.2390, 0.0989, 1.1082

Previews

White Background



This preview shows how the XYZ color 33.0819, 42.1918, 6.4002 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 33.0819, 42.1918, 6.4002 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 33.0819, 42.1918, 6.4002

Background



This preview shows how black text looks on a background with the XYZ color 33.0819, 42.1918, 6.4002.



This preview shows how white text looks on a background with the XYZ color 33.0819, 42.1918,

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

33.0819, 42.1918, 6.4002

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.9029, 42.0641, 7.0862



Tritanopia

41.9780, 41.9921, 50.6926

Trichromacy



Original Color

33.0819, 42.1918, 6.4002

Protanomaly

35.9718, 41.8834, 6.1884

Deuteranomaly

38.6895, 41.8314, 6.6512

Tritanomaly

36.3869, 41.1510, 22.5481

Monochromacy



Original Color

33.0819, 42.1918, 6.4002

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 33.0819, 42.1918, 6.4002 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, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 183, 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, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 183, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0819, 42.1918, 6.4002 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, 183, 0) }
```


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

```
.border{ border-color:rgb(168, 183, 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, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 183,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0819, 42.1918, 6.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 183, 0) }
```

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

```
.background{ background-color: rgb(168,  
183, 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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