

Converting Colors

XYZ(33.5256, 42.9870, 8.8170)

Have a look what the booklet for
XYZ(33.5256, 42.9870, 8.8170)
contains.

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Color

**XYZ(33.5109, 42.9793,
8.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B92B
RGB	166, 185, 43
RGB Percent	65%, 73%, 17%
CMY	0.3490, 0.2745, 0.8314
CMYK	0.10, 0.00, 0.77, 0.27
HSL	68°, 62%, 45%
HSV	68°, 77%, 73%
XYZ	33.5109, 42.9793, 8.8151
YIQ	163.1310, 34.2580, -48.1900

Conversions

Conversions Part 2

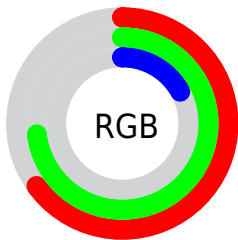
Format	Color
R_YB	43, 185, 62
Decimal	10926379
CIE Lab	71.54, -24.11, 64.41
CIE LCh	72, 68.775, 110.518
Yxy	42.9793, 0.3928, 0.5038
Android (android.graphics.Color)	4289116459 (0xFFA6B92B)
YUV	163.1310, -59.2246, 2.5161
Hunter-Lab	65.5586, -23.4856, 37.9188

Details

The XYZ color **33.5109, 42.9793, 8.8151** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **11.6088, 6.2556, 46.4971**, and the grayscale version is **35.1356, 36.9654, 40.2554**.

A 20% lighter version of the original color is **64.4960, 79.6780, 24.0367**, and **14.6817, 19.8175, 3.0514** is the 20% darker color. If you saturate the color by 10%, you get **32.7318, 42.6098, 7.3913**, and if you desaturate by 10%, it is **34.4559, 43.4194, 11.0515**.

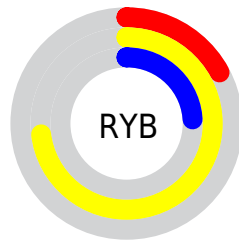
Distribution



Red (65%)

Green (73%)

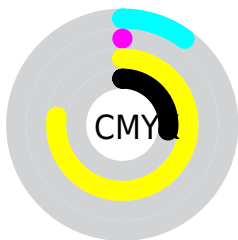
Blue (17%)



Red (17%)

Yellow (73%)

Blue (24%)

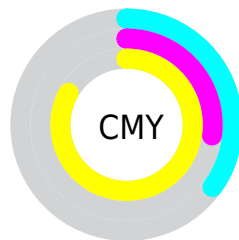


Cyan (10%)

Magenta (0%)

Yellow (77%)

Black (27%)



Cyan (35%)

Magenta (27%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5109, 42.9793, 8.8151 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 33.5109, 42.9793, 8.8151 by changing the saturation by 10% instead.

■ 33.5109, 42.9793,
8.8151

■ 33.5109, 42.9793,
8.8151

309.5701,
358.5266, 192.1595

■ 22.6792, 29.8689,
4.5256

■ 64.5217, 79.6796,
24.1136

■ 14.4762, 19.7391,
1.9179

■ 85.4315, 104.0383,
35.9596

■ 8.5365, 12.2055,
0.5041

■ 110.4315,
132.9152, 51.1616

■ 4.4948, 6.8838,
0.0000

■ 139.8869,
166.6947, 70.1381

■ 1.9857, 3.3895,
0.0000

■ 174.1631,
205.7612, 93.3076

■ 0.6259, 1.3383,
0.0000

■ 213.6254,

■ 0.0000, 0.1706,

250.4991, 121.0886

0.0000

258.6393,
301.2928, 153.8997

■ 0.0000, 0.0000,
0.0000

■ 33.5109, 42.9793,
8.8151

■ 33.5109, 42.9793,
8.8151

■ 32.7318, 42.6098,
7.3913

■ 34.4559, 43.4194,
11.0515

■ 32.0903, 42.2950,
6.6448

■ 35.5822, 43.9317,
14.1950

■ 31.8959, 42.1986,
6.4641

■ 36.9069, 44.5244,
18.3301

■ 38.4440, 45.2033,
23.5308

■ 40.2064, 45.9735,
29.8643

■ 42.2057, 46.8396,
37.3920

■ 44.4529, 47.8061,
46.1710

■ 46.9581, 48.8770,
56.2549

■ 49.7310, 50.0561,
67.6938

Harmonies

Analogous

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



44.6419, 42.9793, 7.8096



33.5109, 42.9793, 8.8151



25.9218, 42.9793, 16.7683

Triad

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



33.5109, 42.9793, 8.8151



28.2302, 42.9793, 115.5726



67.0806, 42.9793, 58.1467

Complementary

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



33.5109, 42.9793, 8.8151



11.6088, 6.2556, 46.4971

Split Complementary

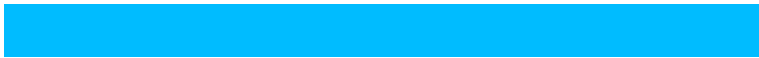
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.6299, 42.9793, 100.3959



33.5109, 42.9793, 8.8151



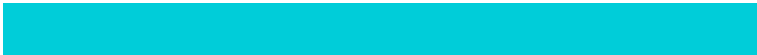
37.2801, 42.9793, 142.5021

Square

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



33.5109, 42.9793, 8.8151



23.2984, 42.9793, 72.9909



49.1905, 42.9793, 135.9167



65.5450, 42.9793, 27.7655

Rectangle

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



33.5109, 42.9793, 8.8151



23.2035, 42.9793, 28.5399



49.1905, 42.9793, 135.9167



65.7344, 42.9793, 71.5391

Sweetspot

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



33.5119, 42.9813, 8.8160



73.1665, 82.8379, 57.7938



22.1641, 13.9279, 3.8062



15.5074, 17.7427, 11.4733



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.



33.5119, 42.9813, 8.8160



57.8221, 75.9202, 12.2305



22.5129, 37.3111, 8.3013



9.6288, 10.4408, 9.6147



21.7616, 28.7548, 4.4033



0.8002, 1.0307, 0.1568

Inverse Universe

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



11.6088, 6.2556, 46.4971



17.1712, 7.3905, 82.7261



19.2847, 10.2127, 46.8563



8.6299, 8.7756, 11.3184



6.2681, 2.5425, 31.4135



0.2572, 0.1083, 1.1091

Previews

White Background



This preview shows how the XYZ color 33.5109, 42.9793, 8.8151 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 33.5109, 42.9793, 8.8151 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 33.5109, 42.9793, 8.8151

Background



This preview shows how black text looks on a background with the XYZ color 33.5109, 42.9793, 8.8151.



This preview shows how white text looks on a background with the XYZ color 33.5109, 42.9793,

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

33.5109, 42.9793, 8.8151

Protanopia

38.7562, 42.6904, 8.2952

Deuteranopia

43.4695, 42.5804, 9.1766



Tritanopia

42.2059, 42.6339, 52.4591

Trichromacy



Original Color

33.5109, 42.9793, 8.8151

Protanomaly

36.7877, 42.8465, 8.5218

Deuteranomaly

39.3174, 42.3883, 9.0152

Tritanomaly

37.4808, 42.1642, 28.7173

Monochromacy



Original Color

33.5109, 42.9793, 8.8151

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.2025, 38.3502, 23.1051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5109, 42.9793, 8.8151 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(166, 185, 43)` looks like.

```
.text, #text, p{  
    color:rgb(166, 185, 43)  
}
```

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(166, 185, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 185, 43) }
```

Border

The CSS property to change the border of an element to XYZ 33.5109, 42.9793, 8.8151 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(166, 185, 43) }
```


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

```
.border{ border-color:rgb(166, 185, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 185, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 185, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 185, 43);  
box-shadow:4px 4px 4px 4px rgb(166, 185,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5109, 42.9793, 8.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 185, 43) }
```

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

```
.background{ background-color: rgb(166,  
185, 43) }
```

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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