

Converting Colors

XYZ(36.2741, 46.3768, 8.8936)

Have a look what the booklet for
XYZ(36.2741, 46.3768, 8.8936)
contains.

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Color

**XYZ(36.2142, 46.2858,
8.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBF26
RGB	173, 191, 38
RGB Percent	68%, 75%, 15%
CMY	0.3216, 0.2510, 0.8510
CMYK	0.09, 0.00, 0.80, 0.25
HSL	67°, 67%, 45%
HSV	67°, 80%, 75%
XYZ	36.2142, 46.2858, 8.8591
YIQ	168.1760, 38.3850, -51.3990

Conversions

Conversions Part 2

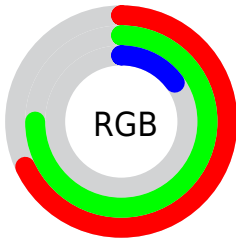
Format	Color
RYB	38, 191, 56
Decimal	11386662
CIELab	73.73, -24.29, 68.04
CIELCh	74, 72.249, 109.646
Yxy	46.2858, 0.3964, 0.5066
Android (android.graphics.Color)	4289576742 (0xFFADB26)
YUV	168.1760, -64.1768, 4.2306
Hunter-Lab	68.0337, -24.0437, 39.9030

Details

The XYZ color **36.2142, 46.2858, 8.8591** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **11.7295, 5.9896, 49.8310**, and the grayscale version is **37.5997, 39.5578, 43.0784**.

A 20% lighter version of the original color is **68.7441, 84.5592, 24.2536**, and **16.2909, 21.8900, 3.3666** is the 20% darker color. If you saturate the color by 10%, you get **35.4891, 45.9405, 7.6089**, and if you desaturate by 10%, it is **37.1078, 46.7029, 10.9438**.

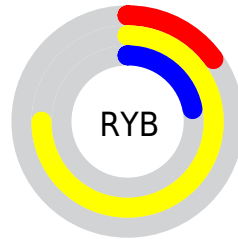
Distribution



Red (68%)

Green (75%)

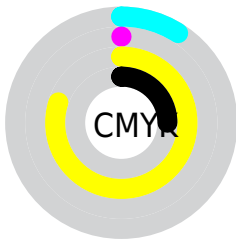
Blue (15%)



Red (15%)

Yellow (75%)

Blue (22%)

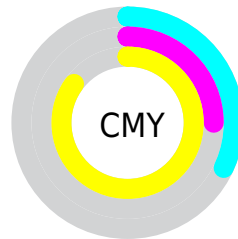


Cyan (9%)

Magenta (0%)

Yellow (80%)

Black (25%)



Cyan (32%)

Magenta (25%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2142, 46.2858, 8.8591 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 36.2142, 46.2858, 8.8591 by changing the saturation by 10% instead.

■ 36.2142, 46.2858,
8.8591

■ 36.2142, 46.2858,
8.8591

321.3107,
371.9565, 192.5025

■ 24.7705, 32.4714,
4.5538

■ 68.6843, 84.6466,
24.1996

■ 16.0340, 21.7218,
1.9338

■ 90.4414, 109.9617,
36.0719

■ 9.6392, 13.6526,
0.5141

■ 116.3670,
139.8793, 51.3036

■ 5.2208, 7.8795,
0.0000

■ 146.8266,
174.7836, 70.3133

■ 2.4135, 4.0179,
0.0000

■ 182.1854,
215.0591, 93.5195

■ 0.8518, 1.6836,
0.0000

■ 222.8087,

■ 0.0000, 0.4130,

261.0901, 121.3407

0.0000

269.0621,
313.2611, 154.1955

■ 0.0000, 0.0000,
0.0000

■ 36.2142, 46.2858,
8.8591

■ 36.2142, 46.2858,
8.8591

■ 35.4891, 45.9405,
7.6089

■ 37.1078, 46.7029,
10.9438

■ 34.8926, 45.6465,
6.9716

■ 38.1881, 47.1938,
13.9721

■ 39.4741, 47.7681,
18.0399

■ 40.9817, 48.4320,
23.2304

■ 42.7252, 49.1912,
29.6184

■ 44.7176, 50.0510,
37.2725

■ 46.9710, 51.0161,
46.2558

■ 49.4965, 52.0911,
56.6273

■ 52.3048, 53.2803,
68.4426

Harmonies

Analogous

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



48.5749, 46.2858, 7.9623



36.2142, 46.2858, 8.8591



27.7531, 46.2858, 17.1097

Triad

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



36.2142, 46.2858, 8.8591



29.8825, 46.2858, 125.6244



72.9755, 46.2858, 64.1831

Complementary

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



36.2142, 46.2858, 8.8591



11.7295, 5.9896, 49.8310

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.



65.5824, 46.2858, 111.3353



36.2142, 46.2858, 8.8591



39.7091, 46.2858, 156.6500

Square

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



36.2142, 46.2858, 8.8591



24.6196, 46.2858, 78.0578



52.8134, 46.2858, 150.4294



71.5366, 46.2858, 30.1911

Rectangle

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



36.2142, 46.2858, 8.8591



24.6905, 46.2858, 29.6115



52.8134, 46.2858, 150.4294



71.3925, 46.2858, 79.1618

Sweetspot

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



36.2153, 46.2879, 8.8601



78.5022, 88.9550, 60.6016



23.2443, 14.0315, 3.3176



16.9596, 19.4133, 12.2417



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



36.2153, 46.2879, 8.8601



62.7574, 81.8804, 12.7809



23.8751, 39.9263, 8.2826



10.2087, 11.0620, 10.1738



22.9740, 30.0194, 4.5835



0.9316, 1.1922, 0.1810

Inverse Universe

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



11.7295, 5.9896, 49.8310



17.7434, 7.3608, 88.7647



19.6694, 10.0828, 50.2026



9.1180, 9.2777, 11.9824



6.4411, 2.6066, 32.5565



0.2872, 0.1201, 1.2769

Previews

White Background



This preview shows how the XYZ color 36.2142, 46.2858, 8.8591 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 36.2142, 46.2858, 8.8591 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 36.2142, 46.2858, 8.8591

Background



This preview shows how black text looks on a background with the XYZ color 36.2142, 46.2858, 8.8591.



This preview shows how white text looks on a background with the XYZ color 36.2142, 46.2858, 8.8591.

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

36.2142, 46.2858, 8.8591

Protanopia

41.7291, 46.0065, 8.2709

Deuteranopia

46.9646, 46.0493, 9.2094



Tritanopia

45.9283, 46.2114, 56.3682

Trichromacy



Original Color

36.2142, 46.2858, 8.8591

Protanomaly

39.6597, 46.1628, 8.4891

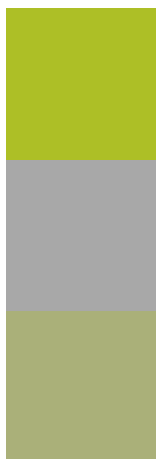
Deuteranomaly

42.3068, 45.6874, 8.9716

Tritanomaly

40.6688, 45.5896, 29.9488

Monochromacy



Original Color

36.2142, 46.2858, 8.8591

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.5541, 40.9772, 24.1246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2142, 46.2858, 8.8591 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(173, 191, 38)` looks like.

```
.text, #text, p{  
    color:rgb(173, 191, 38)  
}
```

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(173, 191, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 191, 38) }
```

Border

The CSS property to change the border of an element to XYZ 36.2142, 46.2858, 8.8591 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(173, 191, 38) }
```


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

```
.border{ border-color:rgb(173, 191, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 191, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 191, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 191, 38);  
box-shadow:4px 4px 4px 4px rgb(173, 191,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2142, 46.2858, 8.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 191, 38) }
```

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

```
.background{ background-color: rgb(173,  
191, 38) }
```

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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