

Converting Colors

XYZ(36.0207, 42.9698, 12.9152)

Have a look what the booklet for
XYZ(36.0207, 42.9698, 12.9152)
contains.

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Color

**XYZ(35.8914, 42.8893,
12.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B54A
RGB	177, 181, 74
RGB Percent	69%, 71%, 29%
CMY	0.3059, 0.2902, 0.7098
CMYK	0.02, 0.00, 0.59, 0.29
HSL	62°, 42%, 50%
HSV	62°, 59%, 71%
XYZ	35.8914, 42.8893, 12.8653
YIQ	167.6060, 31.9630, -34.1250

Conversions

Conversions Part 2

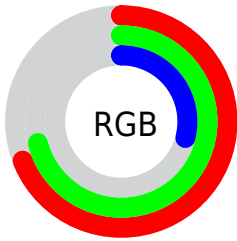
Format	Color
RYB	74, 181, 78
Decimal	11646282
CIELab	71.48, -15.67, 52.69
CIELCh	71, 54.967, 106.562
Yxy	42.8893, 0.3916, 0.4680
Android (android.graphics.Color)	4289836362 (0xFFB1B54A)
YUV	167.6060, -46.1478, 8.2385
Hunter-Lab	65.4899, -16.7814, 34.1956

Details

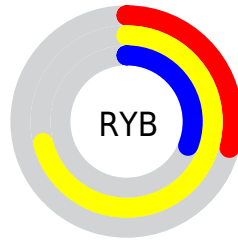
The XYZ color **35.8914, 42.8893, 12.8653** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **13.9325, 9.8544, 44.8865**, and the grayscale version is **37.2352, 39.1744, 42.6609**.

A 20% lighter version of the original color is **68.3759, 79.7628, 31.8706**, and **15.8464, 19.6164, 3.4815** is the 20% darker color. If you saturate the color by 10%, you get **35.2138, 42.6020, 10.0959**, and if you desaturate by 10%, it is **36.7473, 43.2511, 16.5604**.

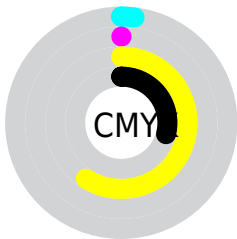
Distribution



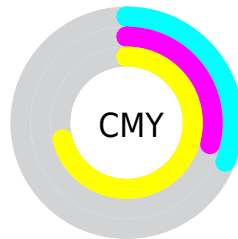
- Red (69%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (31%)



- Cyan (2%)
- Magenta (0%)
- Yellow (59%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8914, 42.8893, 12.8653 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 35.8914, 42.8893, 12.8653 by changing the saturation by 10% instead.

■ 35.8914, 42.8893,
12.8653

■ 35.8914, 42.8893,
12.8653

319.9251,
358.1563, 221.2300

■ 24.5201, 29.7983,
7.2062

■ 68.1894, 79.5438,
31.7492

■ 15.8467, 19.6855,
3.5110

■ 89.8467, 103.8760,
45.8111

■ 9.5059, 12.1667,
1.3611

■ 115.6634,
132.7241, 63.5111

■ 5.1323, 6.8573,
0.1111

■ 146.0049,
166.4725, 85.2676

■ 2.3607, 3.3730,
0.0000

■ 181.2364,
205.5055, 111.4992

■ 0.8254, 1.3294,
0.0000

221.7234,

■ 0.0000, 0.1638,

250.2075, 142.6244

0.0000

267.8312,
300.9630, 179.0618

■ 0.0000, 0.0000,
0.0000

■ 35.8914, 42.8893,
12.8653

■ 35.8914, 42.8893,
12.8653

■ 35.2138, 42.6020,
10.0959

■ 36.7473, 43.2511,
16.5604

■ 34.6958, 42.3772,
8.1680

■ 37.7921, 43.6870,
21.2507

■ 34.3203, 42.2094,
6.9863

■ 39.0391, 44.2038,
27.0019

■ 34.0538, 42.0852,
6.3744

■ 40.4996, 44.8062,
33.8734

■ 34.0317, 42.0748,
6.3276

■ 42.1841, 45.4982,
41.9204

■ 44.1024, 46.2838,
51.1942

■ 46.2636, 47.1667,
61.7431

■ 48.6763, 48.1503,
73.6130

■ 51.3490, 49.2380,
86.8473

Harmonies

Analogous

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



45.0498, 42.8893, 12.5626



35.8914, 42.8893, 12.8653



29.1420, 42.8893, 19.6560

Triad

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



35.8914, 42.8893, 12.8653



29.6949, 42.8893, 94.4483



60.6790, 42.8893, 59.5974

Complementary

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



35.8914, 42.8893, 12.8653



13.9325, 9.8544, 44.8865

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.



55.1285, 42.8893, 91.3350



35.8914, 42.8893, 12.8653



36.7608, 42.8893, 116.0396

Square

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



35.8914, 42.8893, 12.8653



25.9536, 42.8893, 62.8175



46.0609, 42.8893, 114.7228



60.3516, 42.8893, 33.6047

Rectangle

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



35.8914, 42.8893, 12.8653



26.4985, 42.8893, 29.1928



46.0609, 42.8893, 114.7228



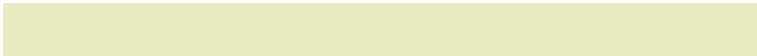
59.4067, 42.8893, 70.0930

Sweetspot

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



35.8924, 42.8913, 12.8662



72.7602, 80.3371, 61.7573



22.9872, 15.7066, 8.2992



15.5530, 17.2924, 12.5277



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.



35.8924, 42.8913, 12.8662



62.7493, 76.1594, 16.8673



26.0641, 37.8246, 12.4062



9.1650, 9.8901, 9.0785



23.4729, 29.0108, 4.3625



0.7482, 0.9178, 0.1377

Inverse Universe

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



13.9325, 9.8544, 44.8865



19.8516, 11.5799, 79.4835



20.1610, 13.0653, 45.1779



8.0704, 8.2448, 10.6724



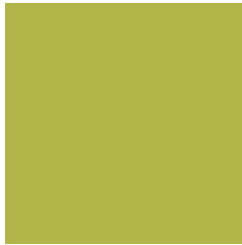
5.8215, 2.3369, 30.2812



0.1929, 0.0785, 0.9532

Previews

White Background



This preview shows how the XYZ color 35.8914, 42.8893, 12.8653 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 35.8914, 42.8893, 12.8653 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 35.8914, 42.8893, 12.8653

Background



This preview shows how black text looks on a background with the XYZ color 35.8914, 42.8893, 12.8653.



This preview shows how white text looks on a background with the XYZ color 35.8914, 42.8893,

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

35.8914, 42.8893, 12.8653

Protanopia

39.0053, 42.7299, 12.3228

Deuteranopia

43.6266, 42.5742, 13.1260



Tritanopia

43.6610, 42.8597, 50.7713

Trichromacy



Original Color

35.8914, 42.8893, 12.8653

Protanomaly

37.6638, 42.6167, 12.5441

Deuteranomaly

40.2596, 42.2182, 13.0482

Tritanomaly

39.8611, 42.4456, 32.0785

Monochromacy



Original Color

35.8914, 42.8893, 12.8653

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0412, 40.2663, 28.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8914, 42.8893, 12.8653 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(177, 181, 74)` looks like.

```
.text, #text, p{  
    color:rgb(177, 181, 74)  
}
```

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(177, 181, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 181, 74) }
```

Border

The CSS property to change the border of an element to XYZ 35.8914, 42.8893, 12.8653 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(177, 181, 74) }
```


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

```
.border{ border-color:rgb(177, 181, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 181, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 181, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 181, 74);  
box-shadow:4px 4px 4px 4px rgb(177, 181,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8914, 42.8893, 12.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 181, 74) }
```

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

```
.background{ background-color: rgb(177,  
181, 74) }
```

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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