

Converting Colors

XYZ(35.9800, 42.4156, 14.4134)

Have a look what the booklet for
XYZ(35.9800, 42.4156, 14.4134)
contains.

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Color

**XYZ(35.8129, 42.2118,
14.4438)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B353
RGB	177, 179, 83
RGB Percent	69%, 70%, 33%
CMY	0.3059, 0.2980, 0.6745
CMYK	0.01, 0.00, 0.54, 0.30
HSL	61°, 39%, 51%
HSV	61°, 54%, 70%
XYZ	35.8129, 42.2118, 14.4438
YIQ	167.4580, 29.6240, -30.2800

Conversions

Conversions Part 2

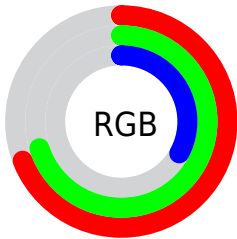
Format	Color
RYB	83, 179, 85
Decimal	11645779
CIELab	71.02, -13.94, 48.03
CIELCh	71, 50.009, 106.181
Yxy	42.2118, 0.3873, 0.4565
Android (android.graphics.Color)	4289835859 (0xFFB1B353)
YUV	167.4580, -41.6378, 8.3683
Hunter-Lab	64.9706, -15.3063, 32.2985

Details

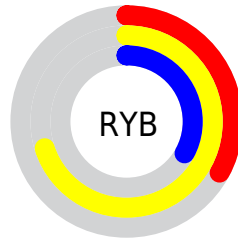
The XYZ color **35.8129, 42.2118, 14.4438** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.9776, 11.3735, 44.0562**, and the grayscale version is **37.1420, 39.0763, 42.5540**.

A 20% lighter version of the original color is **68.0132, 78.6584, 34.5196**, and **15.7342, 19.1582, 4.1649** is the 20% darker color. If you saturate the color by 10%, you get **35.1245, 41.9282, 11.2583**, and if you desaturate by 10%, it is **36.6820, 42.5708, 18.5708**.

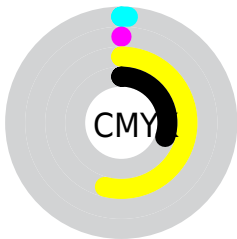
Distribution



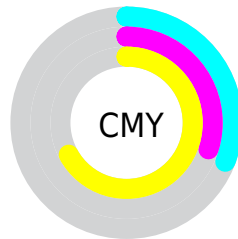
- Red (69%)
- Green (70%)
- Blue (33%)



- Red (33%)
- Yellow (70%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (54%)
- Black (30%)





- Cyan (31%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8129, 42.2118, 14.4438 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 35.8129, 42.2118, 14.4438 by changing the saturation by 10% instead.


 35.8129, 42.2118,
14.4438


 35.8129, 42.2118,
14.4438


319.5875,
355.3602, 231.4982


 24.4592, 29.2672,
8.2877


 68.0689, 78.5201,
34.6028

 15.8012, 19.2830,
4.1892


 89.7020, 102.6525,
49.4428


 9.4735, 11.8750,
1.7297


 115.4921,
131.2830, 68.0146

 5.1109, 6.6586,
0.3810

 145.8048,
164.7960, 90.7366

 2.3479, 3.2495,
0.0000

 181.0053,
203.5758, 118.0274

 0.8190, 1.2633,
0.0000

221.4590,

 0.0000, 0.1126,

248.0068, 150.3056

0.0000

267.5313,
298.4735, 187.9897

■ 0.0000, 0.0000,
0.0000

■ 35.8129, 42.2118,
14.4438

■ 35.8129, 42.2118,
14.4438

■ 35.1245, 41.9282,
11.2583

■ 36.6820, 42.5708,
18.5708

■ 34.5998, 41.7085,
8.9377

■ 37.7412, 43.0044,
23.7026

■ 34.2236, 41.5482,
7.3979

■ 39.0031, 43.5191,
29.9002

■ 33.9765, 41.4396,
6.5368

■ 40.4782, 44.1190,
37.2190

■ 33.8601, 41.3869,
6.2039

■ 42.1762, 44.8082,
45.7105

■ 44.1063, 45.5902,
55.4231

■ 46.2772, 46.4686,
66.4025

■ 48.6970, 47.4466,
78.6917

■ 51.3737, 48.5273,
92.3323

Harmonies

Analogous

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



44.0776, 42.2118, 14.2183



35.8129, 42.2118, 14.4438



29.6200, 42.2118, 20.9184

Triad

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



35.8129, 42.2118, 14.4438



30.0038, 42.2118, 87.7391



57.8095, 42.2118, 57.8365

Complementary

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



35.8129, 42.2118, 14.4438



14.9776, 11.3735, 44.0562

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.



52.8501, 42.2118, 85.6932



35.8129, 42.2118, 14.4438



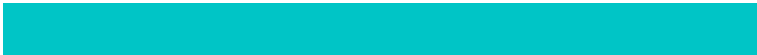
36.4087, 42.2118, 106.5969

Square

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



35.8129, 42.2118, 14.4438



26.5979, 42.2118, 59.9963



44.7615, 42.2118, 105.7399



57.5914, 42.2118, 34.3062

Rectangle

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



35.8129, 42.2118, 14.4438



27.1576, 42.2118, 29.7868



44.7615, 42.2118, 105.7399



56.6660, 42.2118, 67.1333

Sweetspot

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



35.8139, 42.2137, 14.4447



71.7559, 78.7126, 62.9947



23.3703, 16.6435, 10.1650



15.7764, 17.3895, 13.3546



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.



35.8139, 42.2137, 14.4447



62.7496, 75.0238, 19.4667



26.7972, 37.5655, 14.0227



9.1792, 9.8974, 9.0791



23.9330, 29.2480, 4.3840



0.7585, 0.9231, 0.1382

Inverse Universe

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



14.9776, 11.3735, 44.0562



21.6041, 14.1071, 77.9655



20.8411, 14.3962, 44.3306



8.0578, 8.2383, 10.6718



5.7898, 2.3205, 30.2797



0.1876, 0.0758, 0.9530

Previews

White Background



This preview shows how the XYZ color 35.8129, 42.2118, 14.4438 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 35.8129, 42.2118, 14.4438 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 35.8129, 42.2118, 14.4438

Background



This preview shows how black text looks on a background with the XYZ color 35.8129, 42.2118, 14.4438.



This preview shows how white text looks on a background with the XYZ color 35.8129, 42.2118,

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

35.8129, 42.2118, 14.4438

Protanopia

38.6136, 42.2036, 13.8955

Deuteranopia

42.9070, 41.8945, 14.8418



Tritanopia

42.9396, 41.9475, 50.0895

Trichromacy



Original Color

35.8129, 42.2118, 14.4438

Protanomaly

37.5418, 42.2247, 14.1542

Deuteranomaly

40.1418, 41.8388, 14.7641

Tritanomaly

39.4693, 41.6477, 33.1527

Monochromacy



Original Color

35.8129, 42.2118, 14.4438

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.8014, 39.5613, 29.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8129, 42.2118, 14.4438 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, 179, 83)` looks like.

```
.text, #text, p{  
    color:rgb(177, 179, 83)  
}
```

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, 179, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 179, 83) }
```

Border

The CSS property to change the border of an element to XYZ 35.8129, 42.2118, 14.4438 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, 179, 83) }
```


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

```
.border{ border-color:rgb(177, 179, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 179, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 179, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 179, 83);  
box-shadow:4px 4px 4px 4px rgb(177, 179,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8129, 42.2118, 14.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 179, 83) }
```

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

```
.background{ background-color: rgb(177,  
179, 83) }
```

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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