

Converting Colors

XYZ(35.7188, 42.9813, 12.7883)

Have a look what the booklet for
XYZ(35.7188, 42.9813, 12.7883)
contains.

XYZ(35.8350, 43.1670, 12.7467)	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(35.8350, 43.1670,
12.7467)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B649
RGB	176, 182, 73
RGB Percent	69%, 71%, 29%
CMY	0.3098, 0.2863, 0.7137
CMYK	0.03, 0.00, 0.60, 0.29
HSL	63°, 43%, 50%
HSV	63°, 60%, 71%
XYZ	35.8350, 43.1670, 12.7467
YIQ	167.7800, 31.4130, -35.1710

Conversions

Conversions Part 2

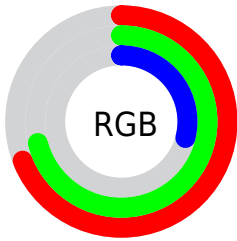
Format	Color
RYB	73, 182, 79
Decimal	11581001
CIELab	71.67, -16.67, 53.31
CIELCh	72, 55.859, 107.363
Yxy	43.1670, 0.3906, 0.4705
Android (android.graphics.Color)	4289771081 (0xFFB0B649)
YUV	167.7800, -46.7265, 7.2089
Hunter-Lab	65.7016, -17.6202, 34.4883

Details

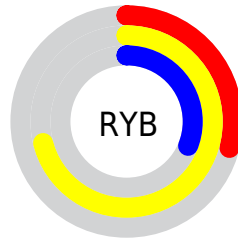
The XYZ color **35.8350, 43.1670, 12.7467** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.0519, 9.8058, 45.4106**, and the grayscale version is **37.3236, 39.2673, 42.7621**.

A 20% lighter version of the original color is **68.2721, 80.1479, 31.6104**, and **15.8216, 19.8000, 3.4398** is the 20% darker color. If you saturate the color by 10%, you get **35.0923, 42.8454, 10.0101**, and if you desaturate by 10%, it is **36.7580, 43.5641, 16.4150**.

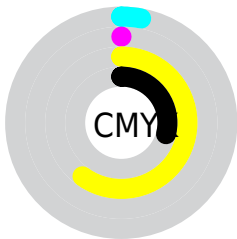
Distribution



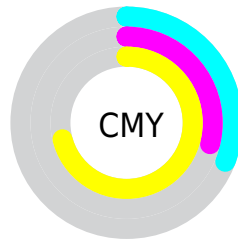
- Red (69%)
- Green (71%)
- Blue (29%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8350, 43.1670, 12.7467 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 35.8350, 43.1670, 12.7467 by changing the saturation by 10% instead.

■ 35.8350, 43.1670,
12.7467

■ 35.8350, 43.1670,
12.7467

319.6826,
359.2981, 220.4384

■ 24.4763, 30.0162,
7.1257

■ 68.1029, 79.9628,
31.5324

■ 15.8140, 19.8509,
3.4612

■ 89.7427, 104.3766,
45.5343

■ 9.4826, 12.2867,
1.3347

■ 115.5404,
133.3134, 63.1668

■ 5.1169, 6.9392,
0.0900

■ 145.8611,
167.1578, 84.8485

■ 2.3515, 3.4241,
0.0000

■ 181.0704,
206.2941, 110.9980

■ 0.8208, 1.3570,
0.0000

221.5335,

■ 0.0000, 0.1847,

251.1066, 142.0337

0.0000

267.6158,
301.9798, 178.3744

■ 0.0000, 0.0000,
0.0000

■ 35.8350, 43.1670,
12.7467

■ 35.8350, 43.1670,
12.7467

■ 35.0923, 42.8454,
10.0101

■ 36.7580, 43.5641,
16.4150

■ 34.5109, 42.5869,
8.1189

■ 37.8723, 44.0363,
21.0861

■ 34.0731, 42.3861,
6.9751

■ 39.1914, 44.5906,
26.8272

■ 33.7408, 42.2277,
6.3782

■ 40.7269, 45.2317,
33.6988

■ 33.7372, 42.2260,
6.3723

■ 42.4894, 45.9637,
41.7571

■ 44.4889, 46.7908,
51.0545

■ 46.7347, 47.7166,
61.6401

■ 49.2357, 48.7446,
73.5606

■ 52.0003, 49.8783,
86.8602

Harmonies

Analogous

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



45.1395, 43.1670, 12.2863



35.8350, 43.1670, 12.7467



29.0464, 43.1670, 19.8036

Triad

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



35.8350, 43.1670, 12.7467



29.8975, 43.1670, 96.7029



61.4672, 43.1670, 59.3477

Complementary

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



35.8350, 43.1670, 12.7467



14.0519, 9.8058, 45.4106

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.



55.9227, 43.1670, 91.8697



35.8350, 43.1670, 12.7467



37.1758, 43.1670, 118.3879

Square

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



35.8350, 43.1670, 12.7467



25.9979, 43.1670, 64.3306



46.7020, 43.1670, 116.3406



60.9601, 43.1670, 33.1026

Rectangle

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



35.8350, 43.1670, 12.7467



26.4226, 43.1670, 29.6630



46.7020, 43.1670, 116.3406



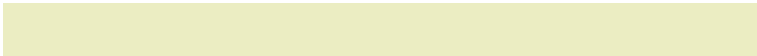
60.2177, 43.1670, 70.0454

Sweetspot

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



35.8360, 43.1690, 12.7476



74.3117, 82.1990, 63.2613



23.2520, 15.9402, 8.1552



16.2210, 18.0752, 13.1024



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.



35.8360, 43.1690, 12.7476



63.2363, 77.5053, 16.8437



25.9653, 38.0805, 12.2857



9.7000, 10.4775, 9.6180



23.8422, 29.8274, 4.5006



0.8554, 1.0592, 0.1594

Inverse Universe

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



14.0519, 9.8058, 45.4106



20.2451, 11.5955, 81.4068



20.4924, 13.1259, 45.7120



8.5657, 8.7425, 11.3154



6.0700, 2.4404, 31.4042



0.2295, 0.0941, 1.1078

Previews

White Background



This preview shows how the XYZ color 35.8350, 43.1670, 12.7467 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 35.8350, 43.1670, 12.7467 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 35.8350, 43.1670, 12.7467

Background



This preview shows how black text looks on a background with the XYZ color 35.8350, 43.1670, 12.7467.



This preview shows how white text looks on a background with the XYZ color 35.8350, 43.1670,

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

35.8350, 43.1670, 12.7467

Protanopia

39.1683, 43.1077, 12.2175

Deuteranopia

43.7735, 42.9250, 12.9994



Tritanopia

43.7082, 43.1513, 51.3728

Trichromacy



Original Color

35.8350, 43.1670, 12.7467

Protanomaly

37.8291, 43.0000, 12.4369

Deuteranomaly

40.4142, 42.5834, 12.9268

Tritanomaly

39.8925, 42.7408, 32.5328

Monochromacy



Original Color

35.8350, 43.1670, 12.7467

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9718, 40.2385, 28.0612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8350, 43.1670, 12.7467 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(176, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(176, 182, 73)  
}
```

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(176, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 182, 73) }
```

Border

The CSS property to change the border of an element to XYZ 35.8350, 43.1670, 12.7467 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(176, 182, 73) }
```


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

```
.border{ border-color:rgb(176, 182, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 182, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(176, 182,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8350, 43.1670, 12.7467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 182, 73) }
```

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

```
.background{ background-color: rgb(176,  
182, 73) }
```

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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