

Converting Colors

XYZ(35.8272, 42.2989, 18.3704)

Have a look what the booklet for
XYZ(35.8272, 42.2989, 18.3704)
contains.

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Color

**XYZ(35.8551, 42.4469,
18.3599)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB464
RGB	173, 180, 100
RGB Percent	68%, 71%, 39%
CMY	0.3216, 0.2941, 0.6078
CMYK	0.04, 0.00, 0.44, 0.29
HSL	65°, 35%, 55%
HSV	65°, 44%, 71%
XYZ	35.8551, 42.4469, 18.3599
YIQ	168.7870, 21.5080, -26.3640

Conversions

Conversions Part 2

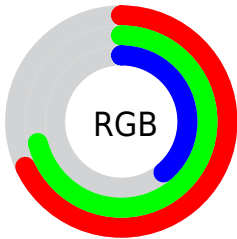
Format	Color
RYB	100, 180, 107
Decimal	11383908
CIELab	71.18, -14.49, 39.81
CIELCh	71, 42.369, 109.998
Yxy	42.4469, 0.3709, 0.4391
Android (android.graphics.Color)	4289573988 (0xFFADB464)
YUV	168.7870, -33.9120, 3.6948
Hunter-Lab	65.1513, -15.7798, 28.8977

Details

The XYZ color **35.8551, 42.4469, 18.3599** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.8604, 15.5365, 45.1874**, and the grayscale version is **37.7626, 39.7292, 43.2650**.

A 20% lighter version of the original color is **68.2961, 79.0809, 41.3703**, and **15.7728, 19.3310, 5.9175** is the 20% darker color. If you saturate the color by 10%, you get **34.7323, 41.9593, 14.2514**, and if you desaturate by 10%, it is **37.1766, 43.0175, 23.4842**.

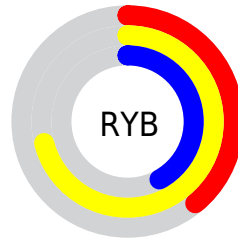
Distribution



Red (68%)

Green (71%)

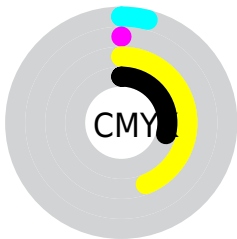
Blue (39%)



Red (39%)

Yellow (71%)

Blue (42%)

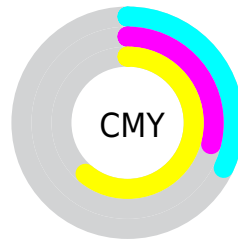


Cyan (4%)

Magenta (0%)

Yellow (44%)

Black (29%)



Cyan (32%)

Magenta (29%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8551, 42.4469, 18.3599 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 35.8551, 42.4469, 18.3599 by changing the saturation by 10% instead.

■ 35.8551, 42.4469,
18.3599

■ 35.8551, 42.4469,
18.3599

319.7691,
356.3322, 255.1958

■ 24.4919, 29.4514,
11.0366

■ 68.1337, 78.8755,
41.4718

■ 15.8256, 19.4226,
5.9770

■ 89.7798, 103.0775,
58.0975

■ 9.4909, 11.9760,
2.7625

■ 115.5842,
131.7836, 78.6611

■ 5.1224, 6.7273,
0.9747

■ 145.9124,
165.3785, 103.5810

■ 2.3548, 3.2922,
0.0000

181.1296,
204.2463, 133.2759

■ 0.8225, 1.2861,
0.0000

221.6012,

■ 0.0000, 0.1304,

248.7717, 168.1643

0.0000

267.6926,
299.3388, 208.6648

■ 0.0000, 0.0000,
0.0000

■ 35.8551, 42.4469,
18.3599

■ 35.8551, 42.4469,
18.3599

■ 34.7323, 41.9593,
14.2514

■ 37.1766, 43.0175,
23.4842

■ 33.7923, 41.5437,
11.0884

■ 38.7053, 43.6700,
29.6829

■ 33.0217, 41.1964,
8.7961


■ 40.4531, 44.4105,
37.0135


■ 32.4039, 40.9107,
7.2873


■ 42.4298, 45.2432,
45.5284


■ 31.9189, 40.6785,
6.4566


■ 44.6450, 46.1717,
55.2769

 31.6824, 40.5629,
6.1596

 47.1074, 47.1995,
66.3054

 49.8255, 48.3301,
78.6581

 52.8071, 49.5667,
92.3769

 54.9110, 50.4526,
101.4519

Harmonies

Analogous

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



42.7615, 42.4469, 17.4238



35.8551, 42.4469, 18.3599



30.7676, 42.4469, 25.3713

Triad

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



35.8551, 42.4469, 18.3599



32.1926, 42.4469, 83.0863



55.3315, 42.4469, 53.3434

Complementary

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



35.8551, 42.4469, 18.3599



18.8604, 15.5365, 45.1874

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.



51.7272, 42.4469, 76.1683



35.8551, 42.4469, 18.3599



38.0204, 42.4469, 96.3804

Square

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



35.8551, 42.4469, 18.3599



28.8312, 42.4469, 60.9134



45.1938, 42.4469, 93.5320



54.5753, 42.4469, 34.0985

Rectangle

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



35.8551, 42.4469, 18.3599



28.8315, 42.4469, 34.0963



45.1938, 42.4469, 93.5320



54.5749, 42.4469, 60.9166

Sweetspot

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



35.8561, 42.4488, 18.3608



73.7611, 80.6964, 68.8792



26.3471, 21.0706, 14.7355



15.7830, 17.3740, 14.2091



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.



35.8561, 42.4488, 18.3608



63.0743, 76.1208, 26.1952



28.3487, 38.5786, 18.0094



9.1222, 9.8681, 9.0765



22.1397, 28.3235, 4.3001



0.7179, 0.9022, 0.1363

Inverse Universe

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



18.8604, 15.5365, 45.1874



28.4479, 21.2593, 80.8987



24.7697, 18.5829, 45.4639



8.1087, 8.2645, 10.6742



5.9217, 2.3885, 30.2859



0.2089, 0.0868, 0.9540

Previews

White Background



This preview shows how the XYZ color 35.8551, 42.4469, 18.3599 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 35.8551, 42.4469, 18.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

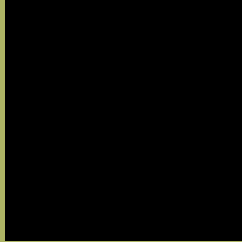
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8551, 42.4469, 18.3599

Background



This preview shows how black text looks on a background with the XYZ color 35.8551, 42.4469, 18.3599.



This preview shows how white text looks on a background with the XYZ color 35.8551, 42.4469,

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

35.8551, 42.4469, 18.3599

Protanopia

38.8265, 42.2303, 17.6602

Deuteranopia

42.9484, 42.1006, 18.6946



Tritanopia

42.5549, 42.2774, 51.2649

Trichromacy



Original Color

35.8551, 42.4469, 18.3599

Protanomaly

37.5446, 42.1419, 17.9598

Deuteranomaly

39.9871, 41.9554, 18.5610

Tritanomaly

39.4762, 42.1557, 36.1932

Monochromacy



Original Color

35.8551, 42.4469, 18.3599

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.5552, 40.4468, 32.2659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8551, 42.4469, 18.3599 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, 180, 100)` looks like.

```
.text, #text, p{  
    color:rgb(173, 180, 100)  
}
```

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, 180, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 180, 100) }
```

Border

The CSS property to change the border of an element to XYZ 35.8551, 42.4469, 18.3599 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, 180, 100) }
```


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

```
.border{ border-color:rgb(173, 180, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 180, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 180, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 180, 100);  
box-shadow:4px 4px 4px 4px rgb(173, 180,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8551, 42.4469, 18.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 180, 100) }
```

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

```
.background{ background-color: rgb(173,  
180, 100) }
```

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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