

Converting Colors

XYZ(36.5269, 46.8616, 8.3622)

Have a look what the booklet for
XYZ(36.5269, 46.8616, 8.3622)
contains.

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Color

**XYZ(36.5395, 46.7917,
8.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC01E
RGB	174, 192, 30
RGB Percent	68%, 75%, 12%
CMY	0.3177, 0.2470, 0.8823
CMYK	0.09, 0.00, 0.84, 0.25
HSL	67°, 73%, 44%
HSV	67°, 84%, 75%
XYZ	36.5395, 46.7917, 8.3342
YIQ	168.1500, 41.2740, -54.1980

Conversions

Conversions Part 2

Format	Color
RYB	30, 192, 48
Decimal	11452446
CIELab	74.06, -24.61, 70.35
CIELCh	74, 74.533, 109.282
Yxy	46.7917, 0.3986, 0.5105
Android (android.graphics.Color)	4289642526 (0xFFAEC01E)
YUV	168.1500, -68.1079, 5.1305
Hunter-Lab	68.4045, -24.3587, 40.6594

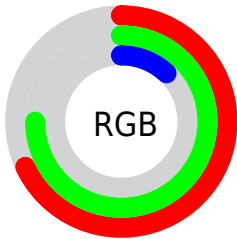
Details

The XYZ color **36.5395, 46.7917, 8.3342** is a dark color, and the websafe version is hex **CCCC33**.

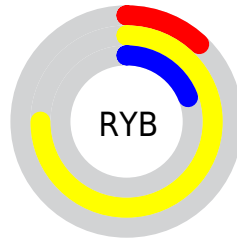
The color can be described as dark washed chartreuse. A complement of this color would be **11.1992, 5.3638, 50.3172**, and the grayscale version is **37.6048, 39.5631, 43.0842**.

A 20% lighter version of the original color is **69.1475, 85.2488, 23.1661**, and **16.5687, 22.2471, 3.4209** is the 20% darker color. If you saturate the color by 10%, you get **35.8937, 46.4806, 7.3907**, and if you desaturate by 10%, it is **37.3442, 47.1707, 10.0656**.

Distribution



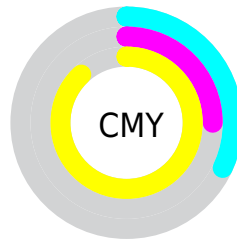
- Red (68%)
- Green (75%)
- Blue (12%)



- Red (12%)
- Yellow (75%)
- Blue (19%)



- Cyan (9%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)



- Cyan (32%)
- Magenta (25%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5395, 46.7917, 8.3342 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 36.5395, 46.7917, 8.3342 by changing the saturation by 10% instead.

■ 36.5395, 46.7917,
8.3342

■ 36.5395, 46.7917,
8.3342

322.7028,
373.9825, 188.3617

■ 25.0232, 32.8710,
4.2187

■ 69.1824, 85.4026,
23.1679

■ 16.2232, 22.0277,
1.7461

■ 91.0397, 110.8616,
34.7233

■ 9.7740, 13.8772,
0.3920

■ 117.0747,
140.9356, 49.5956

■ 5.3105, 8.0353,
0.0000

■ 147.6528,
176.0088, 68.2036

■ 2.4672, 4.1176,
0.0000

■ 183.1393,
216.4657, 90.9656

■ 0.8787, 1.7395,
0.0000

■ 223.8995,

■ 0.0000, 0.4491,

262.6907, 118.3003

0.0000

270.2989,
315.0681, 150.6261

■ 0.0000, 0.0000,
0.0000

■ 36.5395, 46.7917,
8.3342

■ 36.5395, 46.7917,
8.3342

■ 35.8937, 46.4806,
7.3907

■ 37.3442, 47.1707,
10.0656

■ 35.5721, 46.3217,
7.0661

■ 38.3282, 47.6205,
12.7064

■ 39.5122, 48.1512,
16.3599

■ 40.9129, 48.7695,
21.1152

■ 42.5455, 49.4814,
27.0513

■ 44.4236, 50.2925,
34.2402

■ 46.5599, 51.2077,
42.7481

■ 48.9661, 52.2318,
52.6364

■ 51.6531, 53.3691,
63.9628

Harmonies

Analogous

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



49.4106, 46.7917, 7.5145



36.5395, 46.7917, 8.3342



27.7459, 46.7917, 16.5098

Triad

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



36.5395, 46.7917, 8.3342



29.7682, 46.7917, 129.2420



74.6929, 46.7917, 65.8472

Complementary

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



36.5395, 46.7917, 8.3342



11.1992, 5.3638, 50.3172

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.



66.8538, 46.7917, 115.3606



36.5395, 46.7917, 8.3342



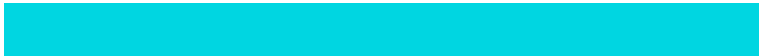
39.8779, 46.7917, 162.3832

Square

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



36.5395, 46.7917, 8.3342



24.4107, 46.7917, 79.2194



53.4815, 46.7917, 156.3188



73.3026, 46.7917, 30.3579

Rectangle

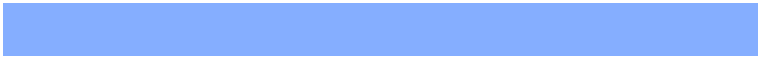
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.5395, 46.7917, 8.3342



24.5582, 46.7917, 29.1509



53.4815, 46.7917, 156.3188



72.9967, 46.7917, 81.5609

Sweetspot

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



36.5406, 46.7938, 8.3352



80.1167, 90.9620, 60.5874



22.9592, 13.2713, 2.5805



16.9215, 19.3996, 11.9694



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.



36.5406, 46.7938, 8.3352



64.3165, 83.8582, 12.7964



23.7846, 40.2179, 7.7382



10.7996, 11.6997, 10.7509



23.9758, 31.1888, 4.7564



1.0680, 1.3641, 0.2070

Inverse Universe

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



11.1992, 5.3638, 50.3172



17.7124, 7.1396, 90.8048



18.7628, 9.2630, 50.6711



9.6300, 9.8004, 12.6689



6.6490, 2.6881, 33.7250



0.3227, 0.1344, 1.4588

Previews

White Background



This preview shows how the XYZ color 36.5395, 46.7917, 8.3342 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 36.5395, 46.7917, 8.3342 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 36.5395, 46.7917, 8.3342

Background



This preview shows how black text looks on a background with the XYZ color 36.5395, 46.7917, 8.3342.



This preview shows how white text looks on a background with the XYZ color 36.5395, 46.7917,

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

36.5395, 46.7917, 8.3342

Protanopia

42.1026, 46.5142, 7.7960

Deuteranopia

47.5017, 46.3375, 8.7259



Tritanopia

46.4848, 46.7818, 57.0319

Trichromacy



Original Color

36.5395, 46.7917, 8.3342

Protanomaly

40.0166, 46.6710, 7.9979

Deuteranomaly

42.7644, 45.9354, 8.4462

Tritanomaly

40.9720, 46.0695, 29.2871

Monochromacy



Original Color

36.5395, 46.7917, 8.3342

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.5697, 41.2983, 23.2362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5395, 46.7917, 8.3342 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(174, 192, 30)` looks like.

```
.text, #text, p{  
    color:rgb(174, 192, 30)  
}
```

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(174, 192, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 192, 30) }
```

Border

The CSS property to change the border of an element to XYZ 36.5395, 46.7917, 8.3342 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(174, 192, 30) }
```


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

```
.border{ border-color:rgb(174, 192, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 192, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 192, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 192, 30);  
box-shadow:4px 4px 4px 4px rgb(174, 192,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5395, 46.7917, 8.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 192, 30) }
```

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

```
.background{ background-color: rgb(174,  
192, 30) }
```

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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