

Converting Colors

XYZ(35.7733, 43.8072, 12.5034)

Have a look what the booklet for
XYZ(35.7733, 43.8072, 12.5034)
contains.

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Color

**XYZ(35.7334, 43.7346,
12.5195)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB847
RGB	174, 184, 71
RGB Percent	68%, 72%, 28%
CMY	0.3176, 0.2784, 0.7216
CMYK	0.05, 0.00, 0.61, 0.28
HSL	65°, 44%, 50%
HSV	65°, 61%, 72%
XYZ	35.7334, 43.7346, 12.5195
YIQ	168.1280, 30.3130, -37.2630

Conversions

Conversions Part 2

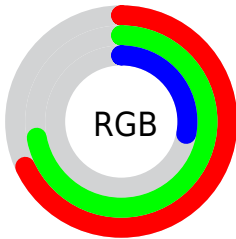
Format	Color
RYB	71, 184, 81
Decimal	11450439
CIELab	72.05, -18.66, 54.56
CIELCh	72, 57.661, 108.883
Yxy	43.7346, 0.3885, 0.4754
Android (android.graphics.Color)	4289640519 (0xFFAEB847)
YUV	168.1280, -47.8841, 5.1497
Hunter-Lab	66.1321, -19.2817, 35.0683

Details

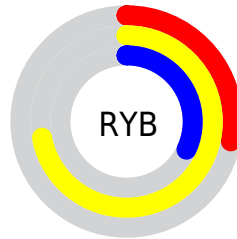
The XYZ color **35.7334, 43.7346, 12.5195** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.2998, 9.7175, 46.4720**, and the grayscale version is **37.5008, 39.4538, 42.9652**.

A 20% lighter version of the original color is **68.0769, 80.9312, 31.1020**, and **15.7788, 20.1765, 3.3500** is the 20% darker color. If you saturate the color by 10%, you get **34.8697, 43.3490, 9.8498**, and if you desaturate by 10%, it is **36.7824, 44.1980, 16.1328**.

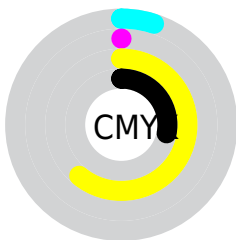
Distribution



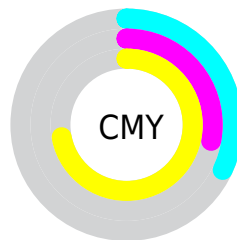
- Red (68%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (32%)



- Cyan (5%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)



- Cyan (32%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7334, 43.7346, 12.5195 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 35.7334, 43.7346, 12.5195 by changing the saturation by 10% instead.

35.7334, 43.7346,
12.5195

35.7334, 43.7346,
12.5195

319.2454,
361.6242, 218.9134

24.3975, 30.4619,
6.9717

67.9469, 80.8182,
31.1162

15.7551, 20.1895,
3.3662

89.5553, 105.3980,
45.0022

9.4408, 12.5328,
1.2845

115.3186,
134.5155, 62.5047

5.0892, 7.1077,
0.0491

145.6020,
168.5553, 84.0423

2.3350, 3.5295,
0.0000

180.7711,
207.9016, 110.0333

0.8125, 1.4140,
0.0000

221.1911,

0.0000, 0.2270,

252.9389, 140.8965

0.0000

267.2274,
304.0517, 177.0504

■ 0.0000, 0.0000,
0.0000

■ 35.7334, 43.7346,
12.5195

■ 35.7334, 43.7346,
12.5195

■ 34.8697, 43.3490,
9.8498

■ 36.7824, 44.1980,
16.1328

■ 34.1715, 43.0286,
8.0330

■ 38.0282, 44.7390,
20.7640

■ 33.6198, 42.7672,
6.9654

■ 39.4850, 45.3649,
26.4833

■ 33.2289, 42.5764,
6.4667

■ 41.1648, 46.0806,
33.3536

■ 43.0787, 46.8904,
41.4333

■ 45.2370, 47.7984,
50.7767

■ 47.6494, 48.8087,
61.4349

■ 50.3252, 49.9248,
73.4560

■ 53.2729, 51.1502,
86.8858

Harmonies

Analogous

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



45.3297, 43.7346, 11.7551



35.7334, 43.7346, 12.5195



28.8664, 43.7346, 20.1079

Triad

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



35.7334, 43.7346, 12.5195



30.3126, 43.7346, 101.3101



63.0683, 43.7346, 58.8671

Complementary

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



35.7334, 43.7346, 12.5195



14.2998, 9.7175, 46.4720

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.



57.5378, 43.7346, 92.9559



35.7334, 43.7346, 12.5195



38.0212, 43.7346, 123.1701

Square

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



35.7334, 43.7346, 12.5195



26.0953, 43.7346, 67.4269



48.0064, 43.7346, 119.6211



62.1955, 43.7346, 32.1293

Rectangle

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



35.7334, 43.7346, 12.5195



26.2810, 43.7346, 30.6236



48.0064, 43.7346, 119.6211



61.8655, 43.7346, 69.9657

Sweetspot

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



35.7344, 43.7366, 12.5204



75.6510, 83.9668, 64.7758



23.8053, 16.4450, 7.8813



16.1013, 18.0135, 13.0968



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.



35.7344, 43.7366, 12.5204



62.6891, 78.3415, 16.4213



25.7620, 38.5956, 12.0537



9.6697, 10.4619, 9.6166



22.9303, 29.3573, 4.4580



0.8315, 1.0468, 0.1582

Inverse Universe

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



14.2998, 9.7175, 46.4720



20.5679, 11.3747, 83.3161



21.2093, 13.2795, 46.7954



8.5929, 8.7565, 11.3167



6.1403, 2.4766, 31.4075



0.2413, 0.1001, 1.1084

Previews

White Background



This preview shows how the XYZ color 35.7334, 43.7346, 12.5195 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 35.7334, 43.7346, 12.5195 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 35.7334, 43.7346, 12.5195

Background



This preview shows how black text looks on a background with the XYZ color 35.7334, 43.7346, 12.5195.



This preview shows how white text looks on a background with the XYZ color 35.7334, 43.7346,

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

35.7334, 43.7346, 12.5195

Protanopia

39.8223, 43.7443, 11.9749

Deuteranopia

44.5206, 43.5871, 12.9041



Tritanopia

43.8652, 43.4893, 52.5367

Trichromacy



Original Color

35.7334, 43.7346, 12.5195

Protanomaly

38.4130, 43.9035, 12.2440

Deuteranomaly

41.0007, 43.4630, 12.7068

Tritanomaly

39.8508, 43.0094, 32.5868

Monochromacy



Original Color

35.7334, 43.7346, 12.5195

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9473, 40.5116, 28.1152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7334, 43.7346, 12.5195 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, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(174, 184, 71)  
}
```

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, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 184, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.7334, 43.7346, 12.5195 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, 184, 71) }
```


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

```
.border{ border-color:rgb(174, 184, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 184, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(174, 184,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7334, 43.7346, 12.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 184, 71) }
```

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

```
.background{ background-color: rgb(174,  
184, 71) }
```

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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