

Converting Colors

XYZ(24.4671, 34.5142, 5.3724)

Have a look what the booklet for
XYZ(24.4671, 34.5142, 5.3724)
contains.

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Color

**XYZ(24.4254, 34.4916,
5.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	85AC00
RGB	133, 172, 0
RGB Percent	52%, 67%, 0%
CMY	0.4784, 0.3255, 0.9999
CMYK	0.23, 0.00, 1.00, 0.33
HSL	74°, 100%, 34%
HSV	74°, 100%, 67%
XYZ	24.4254, 34.4916, 5.3702
YIQ	140.7310, 31.9680, -61.7600

Conversions

Conversions Part 2

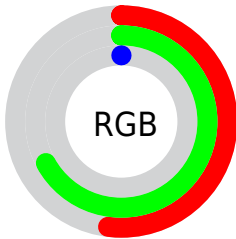
Format	Color
RYB	0, 172, 39
Decimal	8760320
CIELab	65.35, -32.76, 66.91
CIElCh	65, 74.506, 116.089
Yxy	34.4916, 0.3799, 0.5365
Android (android.graphics.Color)	4286950400 (0xFF85AC00)
YUV	140.7310, -69.3804, -6.7801
Hunter-Lab	58.7295, -28.5392, 35.6892

Details

The XYZ color **24.4254, 34.4916, 5.3702** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.2845, 3.4108, 39.2535**, and the grayscale version is **25.4679, 26.7942, 29.1789**.

A 20% lighter version of the original color is **50.2831, 66.9558, 17.1110**, and **9.7770, 15.0107, 2.3821** is the 20% darker color. If you saturate the color by 10%, you get **24.4255, 34.4928, 5.3704**, and if you desaturate by 10%, it is **25.1564, 34.8577, 5.9416**.

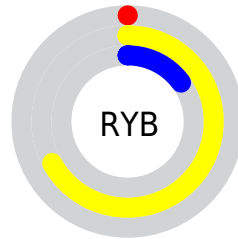
Distribution



Red (52%)

Green (67%)

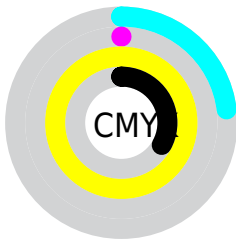
Blue (0%)



Red (0%)

Yellow (67%)

Blue (15%)

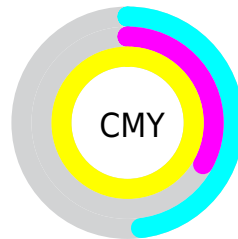


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4254, 34.4916, 5.3702 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 24.4254, 34.4916, 5.3702 by changing the saturation by 10% instead.

■ 24.4254, 34.4916,
5.3702

■ 24.4254, 34.4916,
5.3702

267.3649,
322.3186, 162.4168

■ 15.7759, 23.2715,
2.4036

■ 50.1731, 66.6974,
17.0635

■ 9.4556, 14.7941,
0.7884

■ 68.0021, 88.4519,
26.6272

■ 5.0990, 8.6750,
0.0000

■ 89.6216, 114.4867,
39.2270

■ 2.3408, 4.5298,
0.0000

■ 115.3971,
145.1862, 55.2815

■ 0.8154, 1.9741,
0.0000

■ 145.6938,
180.9347, 75.2092

■ 0.0000, 0.5924,
0.0000

■ 180.8771,

■ 0.0000, 0.0000,

222.1167, 99.4286

0.0000

221.3123,
269.1165, 128.3583

24.4254, 34.4916,
5.3702

24.4254, 34.4916,
5.3702

24.4255, 34.4928,
5.3704

25.1564, 34.8577,
5.9416

25.9988, 35.2698,
6.9826

26.9892, 35.7438,
8.6807

28.1439, 36.2863,
11.1213

29.4772, 36.9029,
14.3774

■ 31.0012, 37.5986,
18.5131

■ 32.7273, 38.3780,
23.5859

■ 34.6657, 39.2451,
29.6488

■ 36.8259, 40.2037,
36.7505

Harmonies

Analogous

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



34.2295, 34.4916, 3.9001



24.4254, 34.4916, 5.3702



18.3190, 34.4916, 13.0835

Triad

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



24.4254, 34.4916, 5.3702



22.4519, 34.4916, 112.3366



58.3636, 34.4916, 41.7876

Complementary

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



24.4254, 34.4916, 5.3702



8.2845, 3.4108, 39.2535

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.



53.3637, 34.4916, 81.8182



24.4254, 34.4916, 5.3702



31.3783, 34.4916, 134.4971

Square

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



24.4254, 34.4916, 5.3702



17.3688, 34.4916, 70.5011



42.8584, 34.4916, 121.0268



55.3607, 34.4916, 16.9060

Rectangle

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



24.4254, 34.4916, 5.3702



16.3949, 34.4916, 24.9262



42.8584, 34.4916, 121.0268



57.5387, 34.4916, 53.8600

Sweetspot

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



24.4262, 34.4931, 5.3709



59.1880, 69.5383, 42.2368



17.6846, 10.1118, 1.0202



12.5778, 14.9838, 8.3273



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4262, 34.4931, 5.3709



44.1096, 62.4689, 9.7329



16.0078, 30.1533, 4.9770



8.4824, 9.2373, 8.5493



18.2247, 25.6922, 3.9986



0.5501, 0.7370, 0.1133

Inverse Universe

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



8.2845, 3.4108, 39.2535



14.8686, 6.1045, 71.2004



15.6547, 7.2103, 39.5984



7.7425, 7.8416, 10.0582



6.2050, 2.5587, 29.2113



0.2193, 0.0952, 0.8148

Previews

White Background



This preview shows how the XYZ color 24.4254, 34.4916, 5.3702 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 24.4254, 34.4916, 5.3702 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 24.4254, 34.4916, 5.3702

Background



This preview shows how black text looks on a background with the XYZ color 24.4254, 34.4916, 5.3702.



This preview shows how white text looks on a background with the XYZ color 24.4254, 34.4916,

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

24.4254, 34.4916, 5.3702

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

34.7069, 34.0537, 6.0401



Tritanopia

32.3264, 34.4546, 44.4818

Trichromacy



Original Color

24.4254, 34.4916, 5.3702

Protanomaly

28.1758, 34.2323, 5.1225

Deuteranomaly

30.0323, 33.6182, 5.5679

Tritanomaly

27.4176, 33.5163, 19.7761

Monochromacy



Original Color

24.4254, 34.4916, 5.3702

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5549, 28.5979, 13.9513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4254, 34.4916, 5.3702 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(133, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 172, 0)  
}
```

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(133, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.4254, 34.4916, 5.3702 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(133, 172, 0) }
```


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

```
.border{ border-color:rgb(133, 172, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4254, 34.4916, 5.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 172, 0) }
```

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

```
.background{ background-color: rgb(133,  
172, 0) }
```

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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