

Converting Colors

XYZ(24.4480, 35.8903, 8.2870)

Have a look what the booklet for
XYZ(24.4480, 35.8903, 8.2870)
contains.

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Color

**XYZ(24.4036, 35.8605,
8.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB12F
RGB	123, 177, 47
RGB Percent	48%, 69%, 18%
CMY	0.5176, 0.3059, 0.8157
CMYK	0.31, 0.00, 0.73, 0.31
HSL	85°, 58%, 44%
HSV	85°, 73%, 69%
XYZ	24.4036, 35.8605, 8.3249
YIQ	146.0340, 9.5460, -51.8780

Conversions

Conversions Part 2

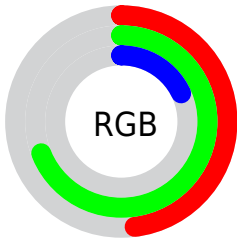
Format	Color
RYB	47, 177, 101
Decimal	8106287
CIELab	66.41, -37.44, 57.21
CIELCh	66, 68.367, 123.203
Yxy	35.8605, 0.3558, 0.5228
Android (android.graphics.Color)	4286296367 (0xFF7BB12F)
YUV	146.0340, -48.8238, -20.2008
Hunter-Lab	59.8836, -32.0546, 33.6762

Details

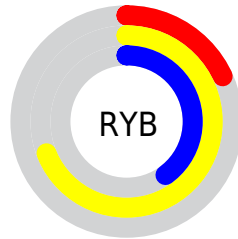
The XYZ color **24.4036, 35.8605, 8.3249** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **14.3208, 7.9752, 42.3817**, and the grayscale version is **27.5277, 28.9613, 31.5389**.

A 20% lighter version of the original color is **50.1276, 68.8208, 23.2121**, and **9.5915, 15.6442, 2.5141** is the 20% darker color. If you saturate the color by 10%, you get **23.1040, 35.2249, 6.7636**, and if you desaturate by 10%, it is **25.9287, 36.5979, 10.6539**.

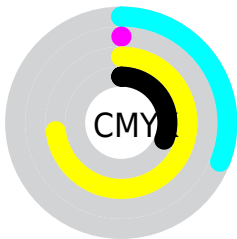
Distribution



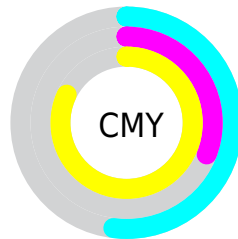
- Red (48%)
- Green (69%)
- Blue (18%)



- Red (18%)
- Yellow (69%)
- Blue (40%)



- Cyan (31%)
- Magenta (0%)
- Yellow (73%)
- Black (31%)





- Cyan (52%)
- Magenta (31%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4036, 35.8605, 8.3249 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 24.4036, 35.8605, 8.3249 by changing the saturation by 10% instead.


 24.4036, 35.8605,
8.3249


 24.4036, 35.8605,
8.3249


267.2574,
328.3504, 188.2874


 15.7596, 24.3265,
4.2128


 50.1379, 68.8167,
23.1496


 9.4440, 15.5760,
1.7428


 67.9590, 91.0077,
34.6992

 5.0913, 9.2246,
0.3898


 89.5698, 117.5197,
49.5651

 2.3362, 4.8880,
0.0000

 115.3357,
148.7373, 68.1658

 0.8131, 2.1817,
0.0000

 145.6220,
185.0447, 90.9198

 0.0000, 0.7100,
0.0000

 180.7942,

 0.0000, 0.0000,

226.8265, 118.2457

0.0000

221.2176,
274.4669, 150.5621

■ 24.4036, 35.8605,
8.3249

■ 24.4036, 35.8605,
8.3249

■ 23.1040, 35.2249,
6.7636

■ 25.9287, 36.5979,
10.6539

■ 22.0070, 34.6780,
5.8689

■ 27.6940, 37.4395,
13.8308

■ 21.3708, 34.3575,
5.5053

■ 29.7158, 38.3931,
17.9280

■ 32.0076, 39.4645,
23.0098

■ 34.5822, 40.6589,
29.1345

■ 37.4512, 41.9810,
36.3561

■ 40.6256, 43.4356,
44.7247

■ 44.1158, 45.0268,
54.2873

■ 47.9315, 46.7587,
65.0883

Harmonies

Analogous

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



32.9967, 35.8605, 5.4776



24.4036, 35.8605, 8.3249



19.3631, 35.8605, 18.7497

Triad

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



24.4036, 35.8605, 8.3249



25.9596, 35.8605, 114.0535



57.7508, 35.8605, 35.9811

Complementary

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



24.4036, 35.8605, 8.3249



14.3208, 7.9752, 42.3817

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.



54.8410, 35.8605, 70.3659



24.4036, 35.8605, 8.3249



35.1956, 35.8605, 126.6812

Square

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



24.4036, 35.8605, 8.3249



20.1271, 35.8605, 78.7554



46.0366, 35.8605, 107.7395



53.3451, 35.8605, 15.6003

Rectangle

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



24.4036, 35.8605, 8.3249



18.0396, 35.8605, 32.7479



46.0366, 35.8605, 107.7395



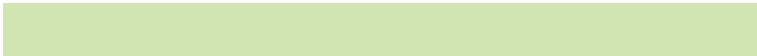
57.5980, 35.8605, 46.1038

Sweetspot

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



24.4044, 35.8621, 8.3257



62.4559, 73.0570, 53.4628



23.1079, 18.4774, 5.0384



13.2585, 15.7047, 10.9091



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.4044, 35.8621, 8.3257



40.1453, 62.4719, 11.0124



18.0999, 32.6120, 8.0306



8.8490, 9.7272, 9.0637



15.5534, 24.9282, 3.9919



0.5539, 0.8176, 0.1286

Inverse Universe

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



14.3208, 7.9752, 42.3817



21.2281, 9.9020, 75.2877



24.2636, 13.1009, 42.8470



8.3653, 8.3968, 10.6862



7.8356, 3.3752, 30.3755



0.3136, 0.1408, 0.9589

Previews

White Background



This preview shows how the XYZ color 24.4036, 35.8605, 8.3249 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 24.4036, 35.8605, 8.3249 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 24.4036, 35.8605, 8.3249

Background



This preview shows how black text looks on a background with the XYZ color 24.4036, 35.8605, 8.3249.



This preview shows how white text looks on a background with the XYZ color 24.4036, 35.8605,

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

24.4036, 35.8605, 8.3249

Protanopia

32.2370, 35.4879, 7.4363

Deuteranopia

36.2171, 35.4954, 8.8133



Tritanopia

32.1385, 35.6136, 47.2997

Trichromacy



Original Color

24.4036, 35.8605, 8.3249

Protanomaly

28.7705, 35.2929, 7.6787

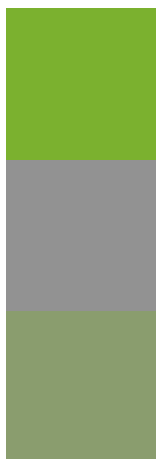
Deuteranomaly

30.7965, 34.9819, 8.4972

Tritanomaly

27.8901, 34.9742, 26.3998

Monochromacy



Original Color

24.4036, 35.8605, 8.3249

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.3527, 30.6430, 19.3303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4036, 35.8605, 8.3249 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(123, 177, 47)` looks like.

```
.text, #text, p{  
    color:rgb(123, 177, 47)  
}
```

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(123, 177, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 177, 47) }
```

Border

The CSS property to change the border of an element to XYZ 24.4036, 35.8605, 8.3249 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(123, 177, 47) }
```


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

```
.border{ border-color:rgb(123, 177, 47) }
```

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

Here you see how a box with a 4 pixel rgb(123, 177, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 177, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 177, 47);  
box-shadow:4px 4px 4px 4px rgb(123, 177,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4036, 35.8605, 8.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 177, 47) }
```

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

```
.background{ background-color: rgb(123,  
177, 47) }
```

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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