

Converting Colors

XYZ(6.8503, 13.1057, 4.1174)

Have a look what the booklet for
XYZ(6.8503, 13.1057, 4.1174)
contains.

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Color

**XYZ(6.8446, 13.1034,
4.0879)**

Conversions

Conversions Part 1

Format	Color
Hex	007627
RGB	0, 118, 39
RGB Percent	0%, 46%, 15%
CMY	1.0000, 0.5372, 0.8471
CMYK	1.00, 0.00, 0.67, 0.54
HSL	140°, 100%, 23%
HSV	140°, 100%, 46%
XYZ	6.8446, 13.1034, 4.0879
YIQ	73.7120, -44.9690, -49.5850

Conversions

Conversions Part 2

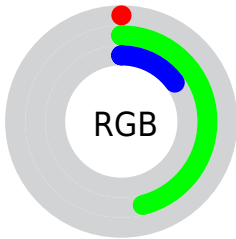
Format	Color
RYB	0, 89, 118
Decimal	30247
CIELab	42.92, -45.94, 34.61
CIELCh	43, 57.520, 143.002
Yxy	13.1034, 0.2848, 0.5452
Android (android.graphics.Color)	4278220327 (0xFF007627)
YUV	73.7120, -17.1130, -64.6454
Hunter-Lab	36.1986, -29.5960, 18.6434

Details

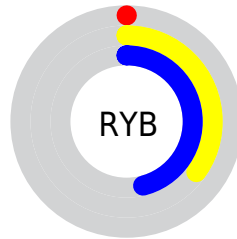
The XYZ color **6.8446, 13.1034, 4.0879** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.8829, 4.4163, 7.7814**, and the grayscale version is **6.4932, 6.8314, 7.4393**.

A 20% lighter version of the original color is **19.3049, 31.3669, 14.2695**, and **2.0671, 4.1342, 0.6890** is the 20% darker color. If you saturate the color by 10%, you get **6.8450, 13.1040, 4.0882**, and if you desaturate by 10%, it is **7.1387, 13.2387, 4.8581**.

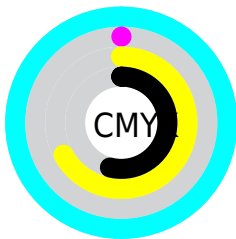
Distribution



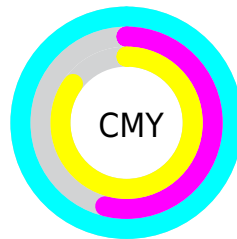
- Red (0%)
- Green (46%)
- Blue (15%)



- Red (0%)
- Yellow (35%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8446, 13.1034, 4.0879 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 6.8446, 13.1034, 4.0879 by changing the saturation by 10% instead.

■ 6.8446, 13.1034,
4.0879

■ 6.8446, 13.1034,
4.0879

160.9391,
211.5793, 149.1974

■ 3.4106, 7.4998,
1.6737

■ 19.3677, 31.4894,
14.2120

■ 1.3744, 3.7766,
0.3426

■ 29.1875, 45.0406,
22.7589

■ 0.2379, 1.5494,
0.0000

■ 41.8666, 62.0098,
34.1872

■ 0.0000, 0.3231,
0.0000

■ 57.7704, 82.7814,
48.9154

■ 0.0000, 0.0000,
0.0000

■ 77.2642, 107.7397,
67.3619

■ 100.7133,

137.2692, 89.9454

128.4832,
171.7543, 117.0844

6.8446, 13.1034,
4.0879

6.8446, 13.1034,
4.0879

6.8450, 13.1040,
4.0882

7.1387, 13.2387,
4.8581

7.5309, 13.4207,
5.7832

8.0745, 13.6774,
6.8736

8.7849, 14.0164,
8.1370

9.6757, 14.4446,
9.5807

■ 10.7587, 14.9680,
11.2114

■ 12.0450, 15.5920,
13.0357

■ 13.5445, 16.3218,
15.0596

■ 15.2667, 17.1621,
17.2891

Harmonies

Analogous

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



9.4316, 13.1034, 1.5660



6.8446, 13.1034, 4.0879



5.8017, 13.1034, 11.5138

Triad

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



6.8446, 13.1034, 4.0879



11.4516, 13.1034, 54.3749



21.9809, 13.1034, 6.7377

Complementary

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



6.8446, 13.1034, 4.0879



8.8829, 4.4163, 7.7814

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.



22.8836, 13.1034, 17.4283



6.8446, 13.1034, 4.0879



16.0626, 13.1034, 50.2239

Square

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



6.8446, 13.1034, 4.0879



8.0244, 13.1034, 43.6966



20.5093, 13.1034, 34.3862



18.2726, 13.1034, 2.3450

Rectangle

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



6.8446, 13.1034, 4.0879



5.8947, 13.1034, 20.4445



20.5093, 13.1034, 34.3862



22.6534, 13.1034, 9.4797

Sweetspot

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



6.8450, 13.1040, 4.0882



20.9963, 27.3263, 22.6684



9.8409, 14.6907, 2.3169



4.6490, 6.1961, 4.9623



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.8450, 13.1040, 4.0882



11.9793, 23.0177, 6.8939



8.6071, 13.8088, 13.3673



3.6859, 4.1163, 4.1800



7.3996, 14.1738, 4.3942



35.7004, 68.9274, 19.5250

Inverse Universe

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



8.8829, 4.4163, 7.7814



15.5566, 7.7402, 13.3567



7.6129, 3.9083, 1.0938



3.7776, 3.7383, 4.3557



9.6037, 4.7752, 8.3871



46.3916, 23.1068, 38.7212

Previews

White Background



This preview shows how the XYZ color 6.8446, 13.1034, 4.0879 looks on a white background.

Color Contrast Check

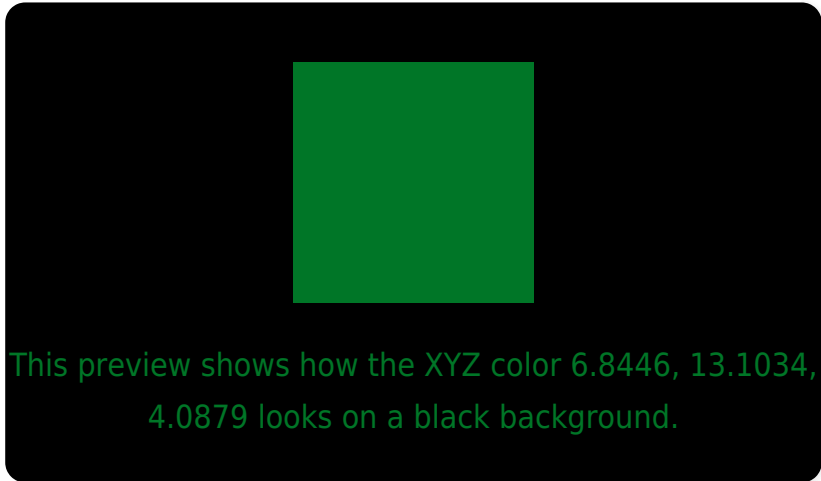
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8446, 13.1034, 4.0879

Background



This preview shows how black text looks on a background with the XYZ color 6.8446, 13.1034, 4.0879.



This preview shows how white text looks on a background with the XYZ color 6.8446, 13.1034,

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

6.8446, 13.1034, 4.0879

Protanopia

11.7525, 12.9336, 3.3904

Deuteranopia

13.1335, 12.9230, 4.3869



Tritanopia

10.1246, 13.1121, 19.4500

Trichromacy



Original Color

6.8446, 13.1034, 4.0879



Protanomaly

8.2486, 12.0205, 3.5545



Deuteranomaly

8.6946, 11.7805, 4.1011



Tritanomaly

8.3157, 12.8397, 11.7129

Monochromacy



Original Color

6.8446, 13.1034, 4.0879



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

5.6708, 8.2536, 5.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8446, 13.1034, 4.0879 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(0, 118, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 39)  
}
```

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(0, 118, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 39) }
```

Border

The CSS property to change the border of an element to XYZ 6.8446, 13.1034, 4.0879 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(0, 118, 39) }
```


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

```
.border{ border-color:rgb(0, 118, 39) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.8446, 13.1034, 4.0879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 39) }
```

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

```
.background{ background-color: rgb(0, 118,  
39) }
```

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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