

Converting Colors

XYZ(12.0276, 17.5777, 4.6759)

Have a look what the booklet for
XYZ(12.0276, 17.5777, 4.6759)
contains.

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Color

**XYZ(12.0159, 17.6111,
4.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	578027
RGB	87, 128, 39
RGB Percent	34%, 50%, 15%
CMY	0.6588, 0.4980, 0.8470
CMYK	0.32, 0.00, 0.70, 0.50
HSL	88°, 53%, 33%
HSV	88°, 70%, 50%
XYZ	12.0159, 17.6111, 4.6854
YIQ	105.5950, 4.1330, -36.3710

Conversions

Conversions Part 2

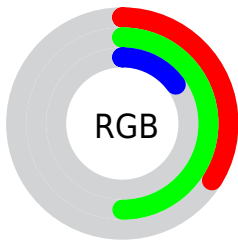
Format	Color
R_{YB}	39, 128, 80
Decimal	5734439
CIE _{Lab}	49.02, -29.32, 42.02
CIE _{LCh}	49, 51.238, 124.905
Yxy	17.6111, 0.3502, 0.5133
Android (android.graphics.Color)	4283924519 (0xFF578027)
YUV	105.5950, -32.8313, -16.3078
Hunter-Lab	41.9656, -22.3303, 22.7563

Details

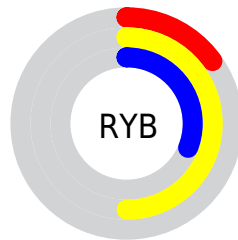
The XYZ color **12.0159, 17.6111, 4.6854** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.9308, 4.7155, 20.9153**, and the grayscale version is **13.6753, 14.3875, 15.6680**.

A 20% lighter version of the original color is **29.1423, 39.3445, 15.5095**, and **3.4519, 5.8238, 0.9422** is the 20% darker color. If you saturate the color by 10%, you get **11.3105, 17.2685, 3.7262**, and if you desaturate by 10%, it is **12.8388, 18.0071, 6.0246**.

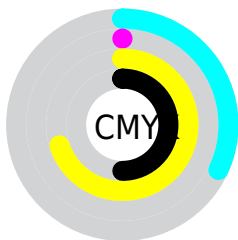
Distribution



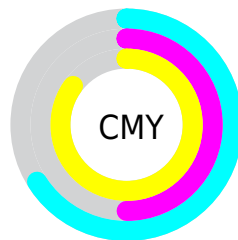
- Red (34%)
- Green (50%)
- Blue (15%)



- Red (15%)
- Yellow (50%)
- Blue (31%)



- Cyan (32%)
- Magenta (0%)
- Yellow (70%)
- Black (50%)





- Cyan (66%)
- Magenta (50%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0159, 17.6111, 4.6854 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 12.0159, 17.6111, 4.6854 by changing the saturation by 10% instead.


 12.0159, 17.6111,
4.6854


 12.0159, 17.6111,
4.6854


198.2783,
238.6698, 155.5635


 6.8268, 10.6711,
2.0084


 29.1407, 39.3735,
15.5620


 3.3994, 5.8462,
0.5604

 41.8070, 54.9648,
24.5986


 1.3683, 2.7518,
0.0000

 57.6965, 74.2086,
36.5922

 0.2335, 1.0035,
0.0000

 77.1745, 97.4894,
51.9613

 0.0000, 0.0000,
0.0000

 100.6063,
125.1915, 71.1245

 128.3573,

157.6993, 94.5002

160.7928,
195.3973, 122.5070

■ 12.0159, 17.6111,
4.6854

■ 12.0159, 17.6111,
4.6854

■ 11.3105, 17.2685,
3.7262

■ 12.8388, 18.0071,
6.0246

■ 10.7126, 16.9734,
3.1061

■ 13.7854, 18.4573,
7.7770

■ 10.1991, 16.7170,
2.7064

■ 14.8630, 18.9653,
9.9734

■ 10.1761, 16.7055,
2.6881

■ 16.0776, 19.5337,
12.6414

■ 17.4352, 20.1649,
15.8063

■ 18.9410, 20.8611,
19.4917

■ 20.6001, 21.6246,
23.7196

■ 22.4173, 22.4572,
28.5107

■ 24.3972, 23.3610,
33.8848

Harmonies

Analogous

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



15.9660, 17.6111, 3.0977



12.0159, 17.6111, 4.6854



9.7253, 17.6111, 10.0463

Triad

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



12.0159, 17.6111, 4.6854



13.1393, 17.6111, 54.2014



27.6531, 17.6111, 17.0140

Complementary

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



12.0159, 17.6111, 4.6854



7.9308, 4.7155, 20.9153

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.



26.5053, 17.6111, 32.6278



12.0159, 17.6111, 4.6854



17.5362, 17.6111, 59.1116

Square

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



12.0159, 17.6111, 4.6854



10.2822, 17.6111, 38.4985



22.5609, 17.6111, 49.8300



25.4531, 17.6111, 7.7221

Rectangle

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



12.0159, 17.6111, 4.6854



9.1586, 17.6111, 16.9341



22.5609, 17.6111, 49.8300



27.6494, 17.6111, 21.6064

Sweetspot

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



12.0163, 17.6119, 4.6858



30.2088, 35.2757, 26.6690



12.0686, 10.3355, 3.2785



6.9418, 8.1982, 5.9357



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0163, 17.6119, 4.6858



19.3241, 30.1128, 5.9036



9.1012, 16.1091, 4.5494



4.4802, 4.9240, 4.6344



10.0914, 16.5647, 2.6654



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.9308, 4.7155, 20.9153



11.6490, 5.8355, 36.4687



12.8698, 7.2616, 21.1464



4.2824, 4.3012, 5.4178



5.6517, 2.4672, 20.4283



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0159, 17.6111, 4.6854 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



This preview shows how the XYZ color 12.0159, 17.6111, 4.6854 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 × Fail

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

XYZ 12.0159, 17.6111, 4.6854

Background



This preview shows how black text looks on a background with the XYZ color 12.0159, 17.6111, 4.6854.



This preview shows how white text looks on a background with the XYZ color 12.0159, 17.6111,

4.6854.

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

12.0159, 17.6111, 4.6854

Protanopia

15.7697, 17.3640, 4.1895

Deuteranopia

17.7266, 17.3611, 4.8993



Tritanopia

15.8245, 17.6706, 23.3456

Trichromacy



Original Color

12.0159, 17.6111, 4.6854

Protanomaly

13.9898, 17.1439, 4.3220

Deuteranomaly

15.1095, 17.1821, 4.8056

Tritanomaly

13.9136, 17.4433, 13.6999

Monochromacy



Original Color

12.0159, 17.6111, 4.6854

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.6859, 15.2965, 10.2665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0159, 17.6111, 4.6854 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(87, 128, 39)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 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(87, 128, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.0159, 17.6111, 4.6854 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(87, 128, 39) }
```


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

```
.border{ border-color:rgb(87, 128, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 128, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 39);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0159, 17.6111, 4.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 39) }
```

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

```
.background{ background-color: rgb(87, 128,  
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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