

Converting Colors

XYZ(17.8334, 12.2097, 54.8433)

Have a look what the booklet for
XYZ(17.8334, 12.2097, 54.8433)
contains.

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Color

**XYZ(17.8129, 12.1560,
54.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	604FC6
RGB	96, 79, 198
RGB Percent	38%, 31%, 78%
CMY	0.6235, 0.6902, 0.2235
CMYK	0.52, 0.60, 0.00, 0.22
HSL	249°, 51%, 54%
HSV	249°, 60%, 78%
XYZ	17.8129, 12.1560, 54.8336
YIQ	97.6490, -28.0670, 40.6130

Conversions

Conversions Part 2

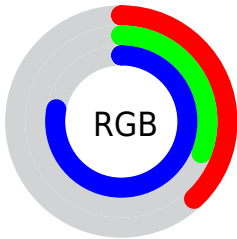
Format	Color
R_{YB}	96, 79, 198
Decimal	6311878
CIE _{Lab}	41.46, 38.45, -60.05
CIE _{LCh}	41, 71.301, 302.632
Yxy	12.1560, 0.2101, 0.1433
Android (android.graphics.Color)	4284501958 (0xFF604FC6)
YUV	97.6490, 49.4730, -1.4462
Hunter-Lab	34.8655, 30.1818, -68.8408

Details

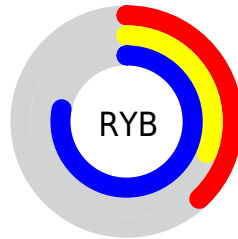
The XYZ color **17.8129, 12.1560, 54.8336** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **40.6608, 50.7763, 15.0550**, and the grayscale version is **11.4093, 12.0035, 13.0718**.

A 20% lighter version of the original color is **39.2267, 29.7905, 98.2904**, and **6.0669, 3.3622, 26.3158** is the 20% darker color. If you saturate the color by 10%, you get **14.9947, 8.8896, 54.3519**, and if you desaturate by 10%, it is **21.4430, 16.4723, 55.4757**.

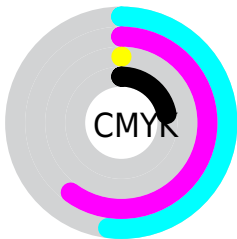
Distribution



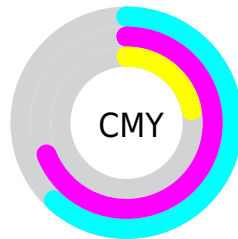
- Red (38%)
- Green (31%)
- Blue (78%)



- Red (38%)
- Yellow (31%)
- Blue (78%)



- Cyan (52%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)



- Cyan (62%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8129, 12.1560, 54.8336 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 17.8129, 12.1560, 54.8336 by changing the saturation by 10% instead.

■ 17.8129, 12.1560,
54.8336

■ 17.8129, 12.1560,
54.8336

232.8804,
205.4353, 422.5450

■ 10.9146, 6.8500,
38.8708

■ 39.2508, 29.7789,
98.7658

■ 6.0763, 3.3685,
26.3522

■ 54.5212, 42.8646,
127.5723

■ 2.9326, 1.3270,
16.8592

■ 73.3130, 59.3124,
161.4972

■ 1.1182, 0.1620,
9.9732

■ 95.9915, 79.5065,
200.9588

■ 0.0403, 0.0000,
5.2758

■ 122.9222,
103.8315, 246.3759

■ 0.0000, 0.0000,
2.3484

154.4703,

■ 0.0000, 0.0000,

132.6717, 298.1670

0.7582

191.0012,
166.4115, 356.7505

■ 0.0000, 0.0000,
0.0000

■ 17.8129, 12.1560,
54.8336

■ 17.8129, 12.1560,
54.8336

■ 14.9947, 8.8896,
54.3519

■ 21.4430, 16.4723,
55.4757

■ 12.9224, 6.5809,
54.0155

■ 25.9402, 21.9177,
56.2897

■ 11.5225, 5.1236,
53.8080

■ 31.3570, 28.5648,
57.2873

■ 10.6800, 4.3283,
53.6989

■ 37.7410, 36.4802,
58.4786

■ 45.1366, 45.7251,
59.8733

■ 53.5855, 56.3571,
61.4801

■ 63.1269, 68.4303,
63.3076

■ 73.7981, 81.9957,
65.3636

■ 84.9281, 95.6896,
67.4201

Harmonies

Analogous

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



12.0182, 12.1560, 67.2221



17.8129, 12.1560, 54.8336



22.8735, 12.1560, 31.1979

Triad

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



17.8129, 12.1560, 54.8336



16.7747, 12.1560, 0.5710



4.1780, 12.1560, 14.5919

Complementary

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



17.8129, 12.1560, 54.8336



40.6608, 50.7763, 15.0550

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.



4.7650, 12.1560, 3.9659



17.8129, 12.1560, 54.8336



11.1018, 12.1560, 0.0183

Square

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



17.8129, 12.1560, 54.8336



22.1587, 12.1560, 3.0328



6.9654, 12.1560, 0.7999



5.0234, 12.1560, 35.3989

Rectangle

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



17.8129, 12.1560, 54.8336



24.5435, 12.1560, 17.2492



6.9654, 12.1560, 0.7999



4.2145, 12.1560, 9.8989

Sweetspot

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



17.8135, 12.1564, 54.8339



69.0932, 67.4170, 103.9789



30.1730, 39.2503, 59.4122



14.0142, 13.4653, 22.1104



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.8135, 12.1564, 54.8339



25.3264, 14.3539, 96.0435



26.3856, 16.5754, 55.2351



10.1954, 10.3590, 13.3796



6.9895, 2.8375, 34.9237



0.3777, 0.1585, 1.6558

Inverse Universe

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



34.4250, 20.9340, 45.9405



57.6289, 31.4616, 76.9925



29.7216, 45.1369, 14.5431



11.0154, 10.7896, 13.0645



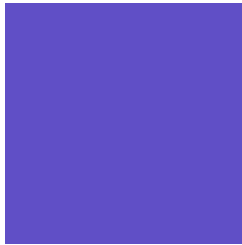
19.8701, 9.6976, 25.5893



0.9592, 0.4665, 1.3083

Previews

White Background



This preview shows how the XYZ color 17.8129, 12.1560, 54.8336 looks on a white background.

Color Contrast Check

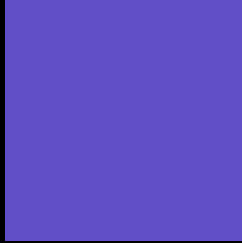
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8129, 12.1560, 54.8336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

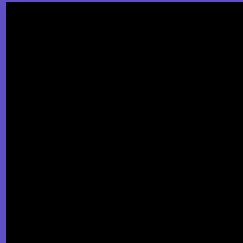
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8129, 12.1560, 54.8336

Background



This preview shows how black text looks on a background with the XYZ color 17.8129, 12.1560, 54.8336.



This preview shows how white text looks on a background with the XYZ color 17.8129, 12.1560,

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

17.8129, 12.1560, 54.8336

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.1000, 12.1315, 41.2390



Tritanopia

10.1737, 12.1134, 16.8408

Trichromacy



Original Color

17.8129, 12.1560, 54.8336

Protanomaly

14.5743, 11.6256, 55.5086

Deuteranomaly

12.9638, 11.3890, 45.7710

Tritanomaly

12.1851, 11.6508, 27.5932

Monochromacy



Original Color

17.8129, 12.1560, 54.8336

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9739, 11.7448, 24.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8129, 12.1560, 54.8336 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(96, 79, 198)` looks like.

```
.text, #text, p{  
    color:rgb(96, 79, 198)  
}
```

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(96, 79, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 79, 198) }
```

Border

The CSS property to change the border of an element to XYZ 17.8129, 12.1560, 54.8336 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(96, 79, 198) }
```


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

```
.border{ border-color:rgb(96, 79, 198) }
```

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

Here you see how a box with a 4 pixel rgb(96, 79, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 79, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 79, 198);  
box-shadow:4px 4px 4px 4px rgb(96, 79,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8129, 12.1560, 54.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 79, 198) }
```

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

```
.background{ background-color: rgb(96, 79,  
198) }
```

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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