

Converting Colors

XYZ(17.7848, 12.0547, 60.2112)

Have a look what the booklet for
XYZ(17.7848, 12.0547, 60.2112)
contains.

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Color

**XYZ(17.8048, 12.0283,
60.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	554FCF
RGB	85, 79, 207
RGB Percent	33%, 31%, 81%
CMY	0.6666, 0.6902, 0.1882
CMYK	0.59, 0.62, 0.00, 0.19
HSL	243°, 57%, 56%
HSV	243°, 62%, 81%
XYZ	17.8048, 12.0283, 60.4148
YIQ	95.3860, -37.5120, 41.0800

Conversions

Conversions Part 2

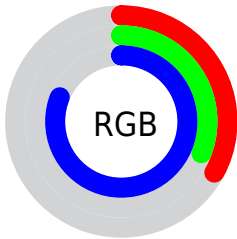
Format	Color
R_{YB}	85, 79, 207
Decimal	5590991
CIE _{Lab}	41.26, 39.28, -65.62
CIE _{LCh}	41, 76.475, 300.902
Yxy	12.0283, 0.1973, 0.1333
Android (android.graphics.Color)	4283781071 (0xFF554FCF)
YUV	95.3860, 55.0257, -9.1085
Hunter-Lab	34.6818, 30.9443, -79.0042

Details

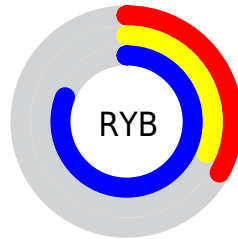
The XYZ color **17.8048, 12.0283, 60.4148** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **47.8103, 57.6072, 15.9967**, and the grayscale version is **10.8489, 11.4139, 12.4297**.

A 20% lighter version of the original color is **37.5773, 28.9403, 98.2132**, and **6.1579, 3.3784, 29.6057** is the 20% darker color. If you saturate the color by 10%, you get **14.9892, 8.6948, 59.9201**, and if you desaturate by 10%, it is **21.5857, 16.5492, 61.0885**.

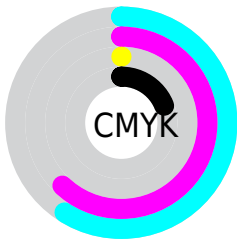
Distribution



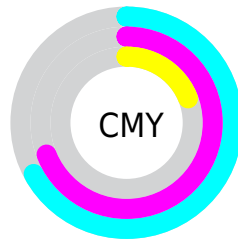
- Red (33%)
- Green (31%)
- Blue (81%)



- Red (33%)
- Yellow (31%)
- Blue (81%)



- Cyan (59%)
- Magenta (62%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (69%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8048, 12.0283, 60.4148 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 17.8048, 12.0283, 60.4148 by changing the saturation by 10% instead.

■ 17.8048, 12.0283,
60.4148

■ 17.8048, 12.0283,
60.4148

232.8354,
204.5926, 443.9720

■ 10.9088, 6.7630,
43.3256

■ 39.2371, 29.5466,
106.9804

■ 6.0724, 3.3143,
29.8074

■ 54.5041, 42.5684,
137.2939

■ 2.9302, 1.2979,
19.4416

■ 73.2922, 58.9445,
172.8525

■ 1.1170, 0.1396,
11.8098

■ 95.9666, 79.0592,
214.0748

■ 0.0392, 0.0000,
6.4933

■ 122.8928,
103.2970, 261.3794

■ 0.0000, 0.0000,
3.0737

154.4361,

■ 0.0000, 0.0000,

132.0422, 315.1848

1.1324

190.9618,
165.6792, 375.9095

■ 0.0000, 0.0000,
0.0000

■ 17.8048, 12.0283,
60.4148

■ 17.8048, 12.0283,
60.4148

■ 14.9892, 8.6948,
59.9201

■ 21.5857, 16.5492,
61.0885

■ 13.0494, 6.4362,
59.5864

■ 26.4067, 22.3542,
61.9548

■ 11.8829, 5.1201,
59.3938

■ 32.3375, 29.5311,
63.0275

■ 11.3841, 4.5677,
59.3135

■ 39.4414, 38.1596,
64.3186

■ 47.7767, 48.3136,
65.8392

■ 57.3979, 60.0616,
67.5997

■ 68.3562, 73.4681,
69.6098

■ 80.7001, 88.5942,
71.8789

■ 88.2625, 97.2850,
73.1578

Harmonies

Analogous

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



11.6006, 12.0283, 73.1831



17.8048, 12.0283, 60.4148



23.4593, 12.0283, 34.1733

Triad

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



17.8048, 12.0283, 60.4148



17.4184, 12.0283, 0.3018



3.7588, 12.0283, 13.5816

Complementary

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



17.8048, 12.0283, 60.4148



47.8103, 57.6072, 15.9967

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.



4.4339, 12.0283, 3.1714



17.8048, 12.0283, 60.4148



11.2661, 12.0283, 0.0000

Square

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



17.8048, 12.0283, 60.4148



23.1902, 12.0283, 2.8598



6.7972, 12.0283, 0.3859



4.5235, 12.0283, 35.7700

Rectangle

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



17.8048, 12.0283, 60.4148



25.4638, 12.0283, 18.5230



6.7972, 12.0283, 0.3859



3.8222, 12.0283, 8.8496

Sweetspot

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



17.8054, 12.0286, 60.4151



66.4985, 65.1574, 103.6795



35.7802, 48.7536, 66.5564



13.4535, 12.9973, 22.0496



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.



17.8054, 12.0286, 60.4151



22.9295, 12.6536, 95.8416



26.1392, 16.3248, 60.8051



11.2143, 11.4438, 14.8615



7.1947, 2.8893, 37.3710



0.4207, 0.1711, 2.0904

Inverse Universe

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



39.0703, 23.0743, 57.6497



59.8628, 31.8544, 90.3000



34.3273, 50.6565, 15.3657



12.2858, 11.9991, 14.7811



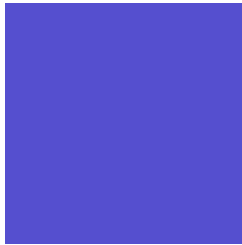
22.5929, 10.9100, 34.3581



1.2708, 0.6130, 1.9609

Previews

White Background



This preview shows how the XYZ color 17.8048, 12.0283, 60.4148 looks on a white background.

Color Contrast Check

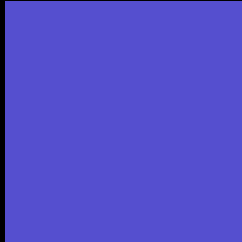
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8048, 12.0283, 60.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

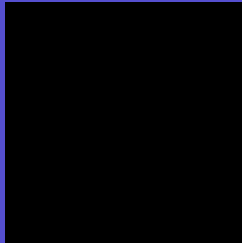
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8048, 12.0283, 60.4148

Background



This preview shows how black text looks on a background with the XYZ color 17.8048, 12.0283, 60.4148.



This preview shows how white text looks on a background with the XYZ color 17.8048, 12.0283,

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

17.8048, 12.0283, 60.4148

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

11.8125, 11.8640, 40.1955



Tritanopia

9.2735, 12.0809, 17.7627

Trichromacy



Original Color

17.8048, 12.0283, 60.4148

Protanomaly

14.5974, 11.4878, 56.7063

Deuteranomaly

13.0439, 11.4063, 46.8615

Tritanomaly

11.3916, 11.4645, 29.6294

Monochromacy



Original Color

17.8048, 12.0283, 60.4148

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.3307, 11.1465, 24.7941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8048, 12.0283, 60.4148 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(85, 79, 207)` looks like.

```
.text, #text, p{  
    color:rgb(85, 79, 207)  
}
```

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(85, 79, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 79, 207) }
```

Border

The CSS property to change the border of an element to XYZ 17.8048, 12.0283, 60.4148 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(85, 79, 207) }
```


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

```
.border{ border-color:rgb(85, 79, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 79, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 79, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 79, 207);  
box-shadow:4px 4px 4px 4px rgb(85, 79,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8048, 12.0283, 60.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 79, 207) }
```

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

```
.background{ background-color: rgb(85, 79,  
207) }
```

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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