

Converting Colors

XYZ(18.6530, 12.0018, 53.5580)

Have a look what the booklet for
XYZ(18.6530, 12.0018, 53.5580)
contains.

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Color

**XYZ(18.6530, 12.0018,
53.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	6D49C4
RGB	109, 73, 196
RGB Percent	43%, 29%, 77%
CMY	0.5725, 0.7137, 0.2314
CMYK	0.44, 0.63, 0.00, 0.23
HSL	258°, 51%, 53%
HSV	258°, 63%, 77%
XYZ	18.6530, 12.0018, 53.5580
YIQ	97.7860, -18.0270, 45.8850

Conversions

Conversions Part 2

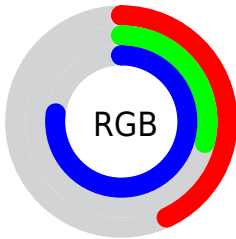
Format	Color
R_{YB}	109, 73, 196
Decimal	7162308
CIE _{Lab}	41.22, 43.93, -59.22
CIE _{LCh}	41, 73.737, 306.566
Yxy	12.0018, 0.2215, 0.1425
Android (android.graphics.Color)	4285352388 (0xFF6D49C4)
YUV	97.7860, 48.4195, 9.8347
Hunter-Lab	34.6436, 35.4826, -67.4101

Details

The XYZ color **18.6530, 12.0018, 53.5580** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **35.4394, 47.4344, 13.5914**, and the grayscale version is **11.4438, 12.0397, 13.1113**.

A 20% lighter version of the original color is **40.5385, 29.3648, 96.4599**, and **6.4707, 3.2965, 25.4945** is the 20% darker color. If you saturate the color by 10%, you get **15.9893, 9.0089, 53.1210**, and if you desaturate by 10%, it is **21.9926, 15.9455, 54.1435**.

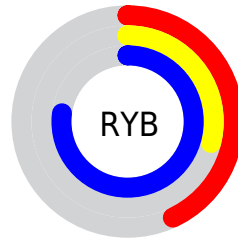
Distribution



Red (43%)

Green (29%)

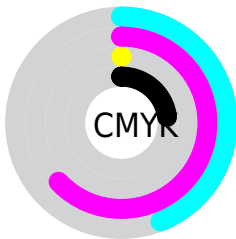
Blue (77%)



Red (43%)

Yellow (29%)

Blue (77%)

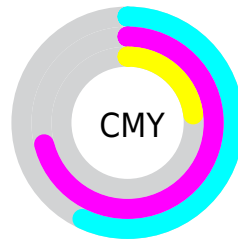


Cyan (44%)

Magenta (63%)

Yellow (0%)

Black (23%)



Cyan (57%)

Magenta (71%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6530, 12.0018, 53.5580 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 18.6530, 12.0018, 53.5580 by changing the saturation by 10% instead.

■ 18.6530, 12.0018,
53.5580

■ 18.6530, 12.0018,
53.5580

237.5014,
204.4172, 417.5491

■ 11.5223, 6.7449,
37.8576

■ 40.6683, 29.4984,
96.8748

■ 6.4892, 3.3031,
25.5712

■ 56.2837, 42.5069,
125.3283

■ 3.1882, 1.2919,
16.2803

■ 75.4581, 58.8680,
158.8700

■ 1.2541, 0.1349,
9.5662

■ 98.5567, 78.9662,
197.9183

■ 0.1484, 0.0000,
5.0105

■ 125.9450,
103.1858, 242.8918

■ 0.0000, 0.0000,
2.1946

157.9883,

■ 0.0000, 0.0000,

131.9112, 294.2091

0.6712

195.0520,
165.5269, 352.2887

■ 0.0000, 0.0000,
0.0000

■ 18.6530, 12.0018,
53.5580

■ 18.6530, 12.0018,
53.5580

■ 15.9893, 9.0089,
53.1210

■ 21.9926, 15.9455,
54.1435

■ 13.9474, 6.8799,
52.8176

■ 26.0525, 20.9138,
54.8885

■ 12.4669, 5.5130,
52.6319

■ 30.8752, 26.9745,
55.8041

■ 11.6724, 4.8663,
52.5489

■ 36.4991, 34.1891,
56.9003

■ 42.9602, 42.6144,
58.1860

■ 50.2920, 52.3035,
59.6697

■ 58.5261, 63.3063,
61.3595

■ 67.6925, 75.6698,
63.2628

■ 77.8200, 89.4388,
65.3867

Harmonies

Analogous

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



12.6178, 12.0018, 69.1434



18.6530, 12.0018, 53.5580



23.6057, 12.0018, 28.5281

Triad

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



18.6530, 12.0018, 53.5580



15.9792, 12.0018, 0.2385



3.9630, 12.0018, 16.7134

Complementary

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



18.6530, 12.0018, 53.5580



35.4394, 47.4344, 13.5914

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.



4.3594, 12.0018, 4.5354



18.6530, 12.0018, 53.5580



10.2769, 12.0018, 0.0000

Square

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



18.6530, 12.0018, 53.5580



21.7562, 12.0018, 2.2305



6.3331, 12.0018, 0.8280



5.0050, 12.0018, 39.4522

Rectangle

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



18.6530, 12.0018, 53.5580



24.9717, 12.0018, 14.9026



6.3331, 12.0018, 0.8280



3.9390, 12.0018, 11.3904

Sweetspot

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



18.6536, 12.0022, 53.5583



69.9911, 66.9580, 103.8430



25.4828, 30.9444, 56.8546



14.2819, 13.4244, 22.0884



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.



18.6536, 12.0022, 53.5583



27.5777, 14.8325, 96.0172



28.7839, 17.2246, 54.0324



9.7992, 9.8876, 12.6769



7.5756, 3.1658, 33.7684



0.3981, 0.1733, 1.4623

Inverse Universe

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



31.4926, 19.0390, 35.2716



53.3704, 29.0231, 56.8339



26.1596, 42.6505, 13.1571



10.3676, 10.1956, 12.0262



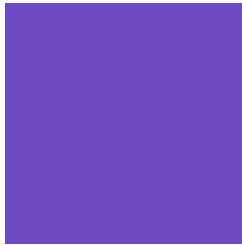
17.6435, 8.7472, 16.5668



0.7912, 0.3895, 0.8678

Previews

White Background



This preview shows how the XYZ color 18.6530, 12.0018, 53.5580 looks on a white background.

Color Contrast Check

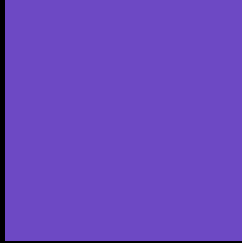
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6530, 12.0018, 53.5580 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 18.6530, 12.0018, 53.5580

Background



This preview shows how black text looks on a background with the XYZ color 18.6530, 12.0018, 53.5580.



This preview shows how white text looks on a background with the XYZ color 18.6530, 12.0018,

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

18.6530, 12.0018, 53.5580

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.0047, 11.9408, 41.2073



Tritanopia

11.0462, 12.0115, 15.6462

Trichromacy



Original Color

18.6530, 12.0018, 53.5580

Protanomaly

14.3959, 11.1839, 54.8260

Deuteranomaly

12.8717, 11.0996, 45.1801

Tritanomaly

13.0357, 11.6093, 25.9799

Monochromacy



Original Color

18.6530, 12.0018, 53.5580

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3549, 11.6908, 24.1069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6530, 12.0018, 53.5580 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(109, 73, 196)` looks like.

```
.text, #text, p{  
    color:rgb(109, 73, 196)  
}
```

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(109, 73, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 73, 196) }
```

Border

The CSS property to change the border of an element to XYZ 18.6530, 12.0018, 53.5580 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(109, 73, 196) }
```


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

```
.border{ border-color:rgb(109, 73, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 73, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 73, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 73, 196);  
box-shadow:4px 4px 4px 4px rgb(109, 73,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6530, 12.0018, 53.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 73, 196) }
```

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

```
.background{ background-color: rgb(109, 73,  
196) }
```

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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