

Converting Colors

XYZ(18.2829, 16.2758, 59.3451)

Have a look what the booklet for
XYZ(18.2829, 16.2758, 59.3451)
contains.

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Color

**XYZ(18.2922, 16.2890,
59.3067)**

Conversions

Conversions Part 1

Format	Color
Hex	3D6DCC
RGB	61, 109, 204
RGB Percent	24%, 43%, 80%
CMY	0.7607, 0.5725, 0.2000
CMYK	0.70, 0.47, 0.00, 0.20
HSL	220°, 58%, 52%
HSV	220°, 70%, 80%
XYZ	18.2922, 16.2890, 59.3067
YIQ	105.4780, -59.1030, 19.3690

Conversions

Conversions Part 2

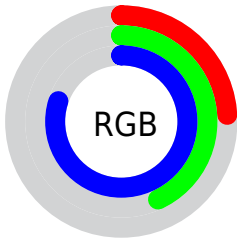
Format	Color
R_{YB}	61, 97, 204
Decimal	4025804
CIE _{Lab}	47.35, 15.61, -54.11
CIE _{LCh}	47, 56.315, 286.094
Yxy	16.2890, 0.1948, 0.1735
Android (android.graphics.Color)	4282215884 (0xFF3D6DCC)
YUV	105.4780, 48.5713, -39.0072
Hunter-Lab	40.3596, 10.2722, -58.8723

Details

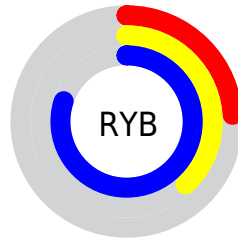
The XYZ color **18.2922, 16.2890, 59.3067** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **37.6346, 36.9546, 9.5656**, and the grayscale version is **13.4415, 14.1415, 15.4001**.

A 20% lighter version of the original color is **38.9330, 36.6467, 99.6293**, and **7.1474, 5.6152, 29.1409** is the 20% darker color. If you saturate the color by 10%, you get **15.9307, 13.0883, 58.8138**, and if you desaturate by 10%, it is **21.3555, 20.1827, 59.8972**.

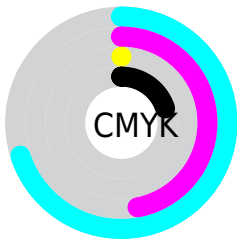
Distribution



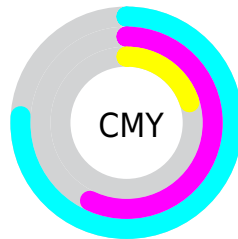
- Red (24%)
- Green (43%)
- Blue (80%)



- Red (24%)
- Yellow (38%)
- Blue (80%)



- Cyan (70%)
- Magenta (47%)
- Yellow (0%)
- Black (20%)



- Cyan (76%)
- Magenta (57%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2922, 16.2890, 59.3067 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 18.2922, 16.2890, 59.3067 by changing the saturation by 10% instead.

■ 18.2922, 16.2890,
59.3067

■ 18.2922, 16.2890,
59.3067

235.5268,
231.0411, 439.7710

■ 11.2609, 9.7289,
42.4384

■ 40.0608, 37.0992,
105.3568

■ 6.3112, 5.2196,
29.1166

■ 55.5288, 52.1181,
135.3757

■ 3.0777, 2.3767,
18.9227

■ 74.5398, 70.7253,
170.6152

■ 1.1950, 0.8138,
11.4382

■ 97.4591, 93.3054,
211.4939

■ 0.1024, 0.0000,
6.2445

■ 124.6521,
120.2425, 258.4303

■ 0.0000, 0.0000,
2.9231

156.4842,

■ 0.0000, 0.0000,

151.9213, 311.8429

1.0555

193.3206,
188.7260, 372.1503

■ 0.0000, 0.0000,
0.0000

■ 18.2922, 16.2890,
59.3067

■ 18.2922, 16.2890,
59.3067

■ 15.9307, 13.0883,
58.8138

■ 21.3555, 20.1827,
59.8972

■ 14.2012, 10.5292,
58.4109

■ 25.1764, 24.8119,
60.5893

■ 12.9947, 8.5507,
58.0926

■ 29.8072, 30.2171,
61.3886

■ 35.2946, 36.4350,
62.2995

■ 41.6816, 43.4996,
63.3265

■ 49.0082, 51.4432,
64.4736

■ 57.3118, 60.2960,
65.7447

■ 66.6279, 70.0868,
67.1435

■ 76.9899, 80.8430,
68.6735

Harmonies

Analogous

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



13.2923, 16.2890, 59.9148



18.2922, 16.2890, 59.3067



23.4597, 16.2890, 44.3729

Triad

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



18.2922, 16.2890, 59.3067



23.1202, 16.2890, 4.4040



7.9213, 16.2890, 11.9261

Complementary

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



18.2922, 16.2890, 59.3067



37.6346, 36.9546, 9.5656

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.



9.5556, 16.2890, 4.7031



18.2922, 16.2890, 59.3067



17.9003, 16.2890, 2.2108

Square

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



18.2922, 16.2890, 59.3067



26.6297, 16.2890, 11.1665



12.9758, 16.2890, 2.2791



7.9820, 16.2890, 26.4792

Rectangle

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



18.2922, 16.2890, 59.3067



25.9940, 16.2890, 31.3375



12.9758, 16.2890, 2.2791



8.2725, 16.2890, 8.7799

Sweetspot

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



18.2929, 16.2895, 59.3071



67.7005, 70.5838, 104.6636



29.3469, 46.5099, 37.9822



13.8353, 14.3867, 22.2976



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.



18.2929, 16.2895, 59.3071



24.8272, 19.4286, 97.0493



16.0881, 9.5126, 58.1153



10.9043, 11.4491, 14.2055



8.2563, 5.5366, 36.5898



0.4958, 0.4253, 1.9109

Inverse Universe

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



29.3316, 17.2801, 16.2576



44.9893, 24.0174, 17.7962



41.8576, 53.5354, 12.5435



11.3651, 11.2748, 12.4570



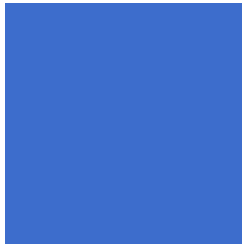
16.3783, 8.3619, 4.4448



0.8802, 0.4455, 0.4149

Previews

White Background



This preview shows how the XYZ color 18.2922, 16.2890, 59.3067 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 18.2922, 16.2890, 59.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

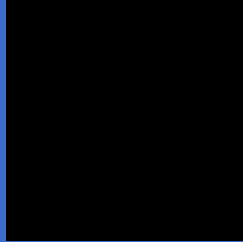
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2922, 16.2890, 59.3067

Background



This preview shows how black text looks on a background with the XYZ color 18.2922, 16.2890, 59.3067.



This preview shows how white text looks on a background with the XYZ color 18.2922, 16.2890,

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

18.2922, 16.2890, 59.3067

Protanopia

18.4821, 16.3869, 59.3156

Deuteranopia

16.6780, 16.2989, 58.1441



Tritanopia

11.5107, 16.1365, 25.0622

Trichromacy



Original Color

18.2922, 16.2890, 59.3067

Protanomaly

18.4176, 16.3537, 59.3126

Deuteranomaly

16.9045, 16.0707, 58.7109

Tritanomaly

13.1857, 15.8674, 35.1686

Monochromacy



Original Color

18.2922, 16.2890, 59.3067

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0816, 14.3550, 27.2279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2922, 16.2890, 59.3067 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(61, 109, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 109, 204)  
}
```

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(61, 109, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 109, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.2922, 16.2890, 59.3067 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(61, 109, 204) }
```


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

```
.border{ border-color:rgb(61, 109, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 109, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 109, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 109, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 109,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2922, 16.2890, 59.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 109, 204) }
```

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

```
.background{ background-color: rgb(61, 109,  
204) }
```

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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