

Converting Colors

XYZ(18.0402, 16.3459, 58.0814)

Have a look what the booklet for
XYZ(18.0402, 16.3459, 58.0814)
contains.

XYZ(18.0402, 16.3459, 58.0814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0402, 16.3459,
58.0814)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6ECA
RGB	59, 110, 202
RGB Percent	23%, 43%, 79%
CMY	0.7686, 0.5686, 0.2078
CMYK	0.71, 0.46, 0.00, 0.21
HSL	219°, 57%, 51%
HSV	219°, 71%, 79%
XYZ	18.0402, 16.3459, 58.0814
YIQ	105.2390, -59.9280, 17.8000

Conversions

Conversions Part 2

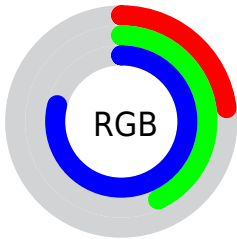
Format	Color
R_{YB}	59, 97, 202
Decimal	3894986
CIE _{Lab}	47.43, 13.96, -52.85
CIE _{LCh}	47, 54.661, 284.798
Yxy	16.3459, 0.1951, 0.1768
Android (android.graphics.Color)	4282085066 (0xFF3B6ECA)
YUV	105.2390, 47.7032, -40.5516
Hunter-Lab	40.4301, 8.8954, -56.8743

Details

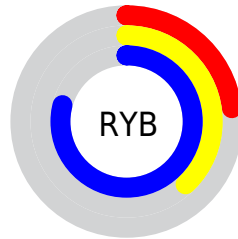
The XYZ color **18.0402, 16.3459, 58.0814** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **36.2150, 35.0085, 8.9875**, and the grayscale version is **13.3792, 14.0760, 15.3288**.

A 20% lighter version of the original color is **38.8209, 36.8473, 99.6739**, and **7.0440, 5.6616, 28.3253** is the 20% darker color. If you saturate the color by 10%, you get **15.7653, 13.2421, 57.6026**, and if you desaturate by 10%, it is **20.9852, 20.1008, 58.6513**.

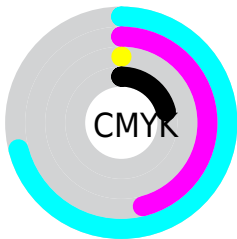
Distribution



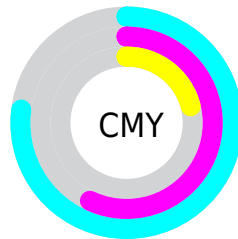
- Red (23%)
- Green (43%)
- Blue (79%)



- Red (23%)
- Yellow (38%)
- Blue (79%)



- Cyan (71%)
- Magenta (46%)
- Yellow (0%)
- Black (21%)



- Cyan (77%)
- Magenta (57%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0402, 16.3459, 58.0814 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 18.0402, 16.3459, 58.0814 by changing the saturation by 10% instead.

■ 18.0402, 16.3459,
58.0814

■ 18.0402, 16.3459,
58.0814

234.1387,
231.3742, 435.0959

■ 11.0787, 9.7693,
41.4590

■ 39.6354, 37.1977,
103.5573

■ 6.1875, 5.2462,
28.3555

■ 54.9997, 52.2416,
133.2479

■ 3.0012, 2.3925,
18.3524

■ 73.8958, 70.8767,
168.1316

■ 1.1544, 0.8220,
11.0313

■ 96.6889, 93.4874,
208.6270

■ 0.0699, 0.0000,
5.9734

■ 123.7444,
120.4581, 255.1525

■ 0.0000, 0.0000,
2.7604

155.4276,

■ 0.0000, 0.0000,

152.1733, 308.1269

0.9736

192.1039,
189.0172, 367.9685

■ 0.0000, 0.0000,
0.0000

■ 18.0402, 16.3459,
58.0814

■ 18.0402, 16.3459,
58.0814

■ 15.7653, 13.2421,
57.6026

■ 20.9852, 20.1008,
58.6513

■ 14.0926, 10.7407,
57.2079

■ 24.6544, 24.5466,
59.3161

■ 12.9804, 8.9035,
56.9119

■ 29.0983, 29.7213,
60.0807

■ 34.3619, 35.6593,
60.9494

■ 40.4866, 42.3924,
61.9262

■ 47.5109, 49.9507,
63.0149

■ 55.4709, 58.3625,
64.2190

■ 64.4005, 67.6548,
65.5419

■ 74.3322, 77.8533,
66.9870

Harmonies

Analogous

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



13.2185, 16.3459, 57.9745



18.0402, 16.3459, 58.0814



23.0712, 16.3459, 44.2480

Triad

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



18.0402, 16.3459, 58.0814



23.1316, 16.3459, 4.8381



8.1668, 16.3459, 11.6767

Complementary

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



18.0402, 16.3459, 58.0814



36.2150, 35.0085, 8.9875

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.



9.8515, 16.3459, 4.7826



18.0402, 16.3459, 58.0814



18.1103, 16.3459, 2.4685

Square

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



18.0402, 16.3459, 58.0814



26.4003, 16.3459, 11.8143



13.2755, 16.3459, 2.4555



8.1558, 16.3459, 25.5222

Rectangle

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



18.0402, 16.3459, 58.0814



25.5858, 16.3459, 31.7528



13.2755, 16.3459, 2.4555



8.5377, 16.3459, 8.6807

Sweetspot

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



18.0409, 16.3464, 58.0818



67.9954, 71.1736, 104.7619



28.3953, 45.3596, 35.9318



13.9048, 14.5256, 22.3208



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.



18.0409, 16.3464, 58.0818



25.0516, 20.0229, 97.1522



15.3731, 9.0160, 56.8075



10.9237, 11.4878, 14.2120



8.4295, 5.8830, 36.6475



0.5061, 0.4460, 1.9144

Inverse Universe

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



28.7362, 16.8113, 16.4824



45.0671, 23.9126, 18.6248



41.4233, 52.6165, 12.1116



11.3748, 11.2787, 12.5085



16.4657, 8.3969, 4.9052



0.8854, 0.4476, 0.4425

Previews

White Background



This preview shows how the XYZ color 18.0402, 16.3459, 58.0814 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 18.0402, 16.3459, 58.0814 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 18.0402, 16.3459, 58.0814

Background



This preview shows how black text looks on a background with the XYZ color 18.0402, 16.3459, 58.0814.



This preview shows how white text looks on a background with the XYZ color 18.0402, 16.3459,

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

18.0402, 16.3459, 58.0814

Protanopia

18.3952, 16.3833, 57.4511

Deuteranopia

16.8094, 16.3803, 57.5341



Tritanopia

11.5107, 16.1365, 25.0622

Trichromacy



Original Color

18.0402, 16.3459, 58.0814

Protanomaly

18.1912, 16.2781, 57.4416

Deuteranomaly

17.0749, 16.3506, 57.5144

Tritanomaly

13.1641, 15.8563, 35.1676

Monochromacy



Original Color

18.0402, 16.3459, 58.0814

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0158, 14.4835, 26.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0402, 16.3459, 58.0814 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(59, 110, 202)` looks like.

```
.text, #text, p{  
    color:rgb(59, 110, 202)  
}
```

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(59, 110, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 110, 202) }
```

Border

The CSS property to change the border of an element to XYZ 18.0402, 16.3459, 58.0814 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(59, 110, 202) }
```


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

```
.border{ border-color:rgb(59, 110, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 110, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 110, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 110, 202);  
box-shadow:4px 4px 4px 4px rgb(59, 110,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0402, 16.3459, 58.0814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 110, 202) }
```

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

```
.background{ background-color: rgb(59, 110,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor