

Converting Colors

XYZ(18.2800, 16.3342, 52.3231)

Have a look what the booklet for
XYZ(18.2800, 16.3342, 52.3231)
contains.

XYZ(18.1853, 16.2364, 52.0446)	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(18.1853, 16.2364,
52.0446)**

Conversions

Conversions Part 1

Format	Color
Hex	506CC0
RGB	80, 108, 192
RGB Percent	31%, 42%, 75%
CMY	0.6863, 0.5765, 0.2471
CMYK	0.58, 0.44, 0.00, 0.25
HSL	225°, 47%, 53%
HSV	225°, 58%, 75%
XYZ	18.1853, 16.2364, 52.0446
YIQ	109.2040, -43.6520, 20.1880

Conversions

Conversions Part 2

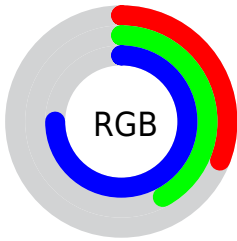
Format	Color
R_{YB}	80, 102, 192
Decimal	5270720
CIE _{Lab}	47.28, 15.34, -47.27
CIE _{LCh}	47, 49.694, 287.982
Yxy	16.2364, 0.2103, 0.1878
Android (android.graphics.Color)	4283460800 (0xFF506CC0)
YUV	109.2040, 40.8184, -25.6119
Hunter-Lab	40.2944, 10.0437, -48.3734

Details

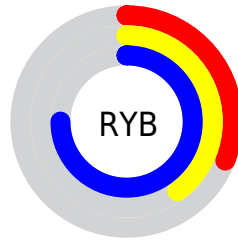
The XYZ color **18.1853, 16.2364, 52.0446** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **36.4630, 38.3387, 13.0689**, and the grayscale version is **14.4911, 15.2457, 16.6026**.

A 20% lighter version of the original color is **39.8135, 36.9542, 94.6570**, and **6.2562, 5.1725, 24.7134** is the 20% darker color. If you saturate the color by 10%, you get **15.3943, 12.7263, 51.5145**, and if you desaturate by 10%, it is **21.6916, 20.4881, 52.6808**.

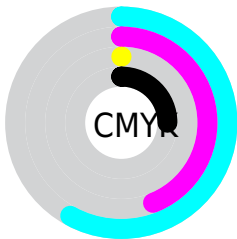
Distribution



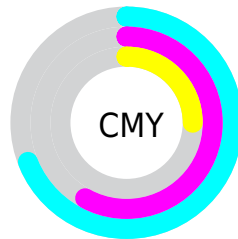
- Red (31%)
- Green (42%)
- Blue (75%)



- Red (31%)
- Yellow (40%)
- Blue (75%)



- Cyan (58%)
- Magenta (44%)
- Yellow (0%)
- Black (25%)



- Cyan (69%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1853, 16.2364, 52.0446 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 18.1853, 16.2364, 52.0446 by changing the saturation by 10% instead.

■ 18.1853, 16.2364,
52.0446

■ 18.1853, 16.2364,
52.0446

234.9389,
230.7326, 411.5706

■ 11.1836, 9.6916,
36.6581

■ 39.8804, 37.0081,
94.6243

■ 6.2587, 5.1950,
24.6492

■ 55.3046, 52.0038,
122.6545

■ 3.0451, 2.3621,
15.5993

■ 74.2669, 70.5853,
155.7365

■ 1.1777, 0.8063,
9.0898

■ 97.1328, 93.1369,
194.2887

■ 0.0886, 0.0000,
4.7022

124.2676,
120.0430, 238.7297

■ 0.0000, 0.0000,
2.0179

156.0366,

■ 0.0000, 0.0000,

151.6881, 289.4780

0.5663

192.8052,
188.4565, 346.9521

■ 0.0000, 0.0000,
0.0000

■ 18.1853, 16.2364,
52.0446

■ 18.1853, 16.2364,
52.0446

■ 15.3943, 12.7263,
51.5145

■ 21.6916, 20.4881,
52.6808

■ 13.2637, 9.9106,
51.0833

■ 25.9586, 25.5211,
53.4274

■ 11.7332, 7.7386,
50.7448

■ 31.0300, 31.3742,
54.2899

■ 10.7123, 6.1419,
50.4904

■ 36.9457, 38.0831,
55.2730

■ 10.5712, 5.9192,
50.4548

■ 43.7426, 45.6810,
56.3813

■ 51.4556, 54.1996,
57.6190

■ 60.1177, 63.6689,
58.9903

■ 69.7600, 74.1174,
60.4988

■ 80.4124, 85.5727,
62.1485

Harmonies

Analogous

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



13.7418, 16.2364, 53.3923



18.1853, 16.2364, 52.0446



22.5848, 16.2364, 39.2776

Triad

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



18.1853, 16.2364, 52.0446



21.7943, 16.2364, 5.1202



8.5653, 16.2364, 13.1110

Complementary

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



18.1853, 16.2364, 52.0446



36.4630, 38.3387, 13.0689

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.



9.9758, 16.2364, 5.9383



18.1853, 16.2364, 52.0446



17.2558, 16.2364, 3.0145

Square

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



18.1853, 16.2364, 52.0446



24.9250, 16.2364, 11.2208



12.9720, 16.2364, 3.2190



8.7197, 16.2364, 26.2337

Rectangle

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



18.1853, 16.2364, 52.0446



24.6464, 16.2364, 28.3686



12.9720, 16.2364, 3.2190



8.8592, 16.2364, 10.0812

Sweetspot

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



18.1860, 16.2369, 52.0450



68.1693, 70.3831, 100.3527



28.8596, 42.0857, 41.7252



14.1249, 14.5372, 21.4468



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.1860, 16.2369, 52.0450



26.6998, 21.5121, 93.1053



18.5685, 12.7325, 51.3484



9.7283, 10.1480, 12.7308



7.1663, 4.0891, 33.9682



0.3666, 0.2905, 1.4866

Inverse Universe

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



27.3143, 18.0275, 16.2277



45.2142, 26.6582, 20.1200



35.6082, 46.1715, 14.6259



10.1742, 10.1183, 11.0078



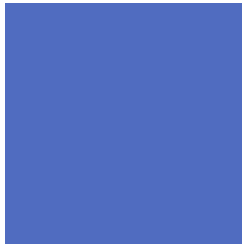
15.0132, 7.6950, 2.7156



0.6774, 0.3440, 0.2686

Previews

White Background



This preview shows how the XYZ color 18.1853, 16.2364, 52.0446 looks on a white background.

Color Contrast Check

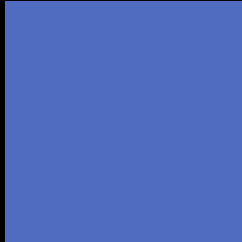
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1853, 16.2364, 52.0446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

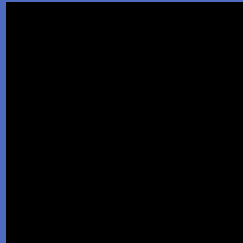
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1853, 16.2364, 52.0446

Background



This preview shows how black text looks on a background with the XYZ color 18.1853, 16.2364, 52.0446.



This preview shows how white text looks on a background with the XYZ color 18.1853, 16.2364,

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

18.1853, 16.2364, 52.0446

Protanopia

17.9959, 16.2834, 52.6466

Deuteranopia

16.7773, 16.3287, 51.5577



Tritanopia

12.5097, 16.1257, 23.9260

Trichromacy



Original Color

18.1853, 16.2364, 52.0446

Protanomaly

18.1548, 16.3653, 52.6540

Deuteranomaly

17.1383, 16.1872, 51.5114

Tritanomaly

14.1095, 15.8807, 32.4586

Monochromacy



Original Color

18.1853, 16.2364, 52.0446

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.1658, 15.3980, 26.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1853, 16.2364, 52.0446 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(80, 108, 192)` looks like.

```
.text, #text, p{  
    color:rgb(80, 108, 192)  
}
```

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(80, 108, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 108, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.1853, 16.2364, 52.0446 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(80, 108, 192) }
```


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

```
.border{ border-color:rgb(80, 108, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 108, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 108, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 108, 192);  
box-shadow:4px 4px 4px 4px rgb(80, 108,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1853, 16.2364, 52.0446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 108, 192) }
```

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

```
.background{ background-color: rgb(80, 108,  
192) }
```

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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