

Converting Colors

XYZ(18.4213, 16.1902, 51.5920)

Have a look what the booklet for
XYZ(18.4213, 16.1902, 51.5920)
contains.

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Color

**XYZ(18.4080, 16.2083,
51.4485)**

Conversions

Conversions Part 1

Format	Color
Hex	556BBF
RGB	85, 107, 191
RGB Percent	33%, 42%, 75%
CMY	0.6666, 0.5804, 0.2510
CMYK	0.55, 0.44, 0.00, 0.25
HSL	228°, 45%, 54%
HSV	228°, 55%, 75%
XYZ	18.4080, 16.2083, 51.4485
YIQ	109.9980, -40.0760, 21.4600

Conversions

Conversions Part 2

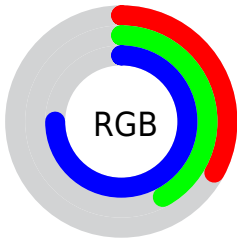
Format	Color
R _Y B	85, 103, 191
Decimal	5598143
CIE Lab	47.25, 16.67, -46.73
CIE LCh	47, 49.615, 289.633
Yxy	16.2083, 0.2139, 0.1883
Android (android.graphics.Color)	4283788223 (0xFF556BBF)
YUV	109.9980, 39.9340, -21.9232
Hunter-Lab	40.2595, 11.1620, -47.5863

Details

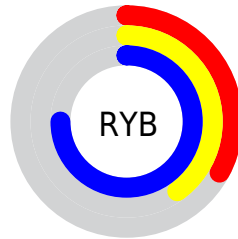
The XYZ color **18.4080, 16.2083, 51.4485** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **37.3147, 40.1100, 14.3707**, and the grayscale version is **14.7185, 15.4850, 16.8632**.

A 20% lighter version of the original color is **40.3255, 36.9818, 93.8198**, and **6.3624, 5.1570, 24.3270** is the 20% darker color. If you saturate the color by 10%, you get **15.4599, 12.5475, 50.8976**, and if you desaturate by 10%, it is **22.1017, 20.6639, 52.1142**.

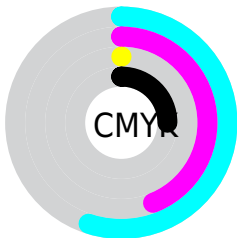
Distribution



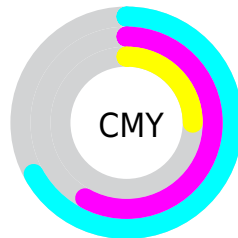
- Red (33%)
- Green (42%)
- Blue (75%)



- Red (33%)
- Yellow (40%)
- Blue (75%)



- Cyan (55%)
- Magenta (44%)
- Yellow (0%)
- Black (25%)



- Cyan (67%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4080, 16.2083, 51.4485 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 18.4080, 16.2083, 51.4485 by changing the saturation by 10% instead.

■ 18.4080, 16.2083,
51.4485

■ 18.4080, 16.2083,
51.4485

236.1622,
230.5677, 409.2000

■ 11.3448, 9.6717,
36.1865

■ 40.2560, 36.9594,
93.7357

■ 6.3682, 5.1818,
24.2874

■ 55.7714, 51.9428,
121.5979

■ 3.1130, 2.3543,
15.3328

■ 74.8350, 70.5104,
154.4972

■ 1.2138, 0.8022,
8.9041

■ 97.8121, 93.0468,
192.8523

■ 0.1172, 0.0000,
4.5827

125.0680,
119.9363, 237.0815

■ 0.0000, 0.0000,
1.9502

156.9680,

■ 0.0000, 0.0000,

151.5634, 287.6035

0.5244

193.8776,
188.3124, 344.8368

■ 0.0000, 0.0000,
0.0000

■ 18.4080, 16.2083,
51.4485

■ 18.4080, 16.2083,
51.4485

■ 15.4599, 12.5475,
50.8976

■ 22.1017, 20.6639,
52.1142

■ 13.2023, 9.6312,
50.4537

■ 26.5865, 25.9571,
52.8995

■ 11.5754, 7.4054,
50.1098

■ 31.9069, 32.1295,
53.8105

■ 10.5066, 5.8069,
49.8576

■ 38.1030, 39.2192,
54.8524

■ 10.1506, 5.2548,
49.7698

■ 45.2126, 47.2623,
56.0301

■ 53.2712, 56.2926,
57.3484

■ 62.3123, 66.3426,
58.8117

■ 72.3677, 77.4430,
60.4243

■ 82.7633, 89.2601,
62.1574

Harmonies

Analogous

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



13.9409, 16.2083, 53.5315



18.4080, 16.2083, 51.4485



22.7439, 16.2083, 38.2994

Triad

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



18.4080, 16.2083, 51.4485



21.5206, 16.2083, 4.9216



8.5244, 16.2083, 13.6585

Complementary

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



18.4080, 16.2083, 51.4485



37.3147, 40.1100, 14.3707

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.



9.8445, 16.2083, 6.1922



18.4080, 16.2083, 51.4485



16.9692, 16.2083, 2.9754

Square

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



18.4080, 16.2083, 51.4485



24.7633, 16.2083, 10.7285



12.7486, 16.2083, 3.2935



8.7637, 16.2083, 27.0424

Rectangle

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



18.4080, 16.2083, 51.4485



24.7128, 16.2083, 27.4294



12.7486, 16.2083, 3.2935



8.7890, 16.2083, 10.5219

Sweetspot

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



18.4087, 16.2088, 51.4489



66.1557, 67.8655, 97.8917



29.4489, 42.0218, 43.6218



14.0160, 14.3193, 21.4105



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.



18.4087, 16.2088, 51.4489



26.5371, 21.0087, 90.9356



19.7281, 13.9068, 50.9350



9.1726, 9.5376, 12.0297



6.7187, 3.5492, 32.7238



0.3110, 0.2347, 1.2978

Inverse Universe

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



27.3888, 18.6358, 16.0638



44.6238, 27.0774, 19.4026



34.9624, 45.4916, 15.5335



9.6090, 9.5679, 10.3300



14.3921, 7.3880, 2.0923



0.5879, 0.2990, 0.2091

Previews

White Background



This preview shows how the XYZ color 18.4080, 16.2083, 51.4485 looks on a white background.

Color Contrast Check

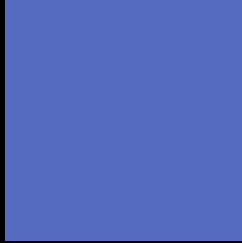
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4080, 16.2083, 51.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

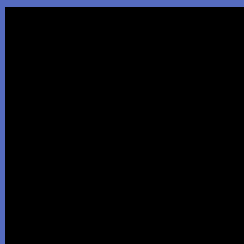
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4080, 16.2083, 51.4485

Background



This preview shows how black text looks on a background with the XYZ color 18.4080, 16.2083, 51.4485.



This preview shows how white text looks on a background with the XYZ color 18.4080, 16.2083,

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

18.4080, 16.2083, 51.4485

Protanopia

17.9959, 16.2834, 52.6466

Deuteranopia

16.7749, 16.3402, 50.9850



Tritanopia

12.8532, 16.3106, 23.5899

Trichromacy



Original Color

18.4080, 16.2083, 51.4485

Protanomaly

18.1014, 16.1932, 52.0407

Deuteranomaly

17.2255, 16.2448, 50.9429

Tritanomaly

14.4387, 16.0599, 32.0446

Monochromacy



Original Color

18.4080, 16.2083, 51.4485

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4957, 15.5681, 26.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4080, 16.2083, 51.4485 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, 107, 191)` looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 191)  
}
```

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, 107, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.4080, 16.2083, 51.4485 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, 107, 191) }
```


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

```
.border{ border-color:rgb(85, 107, 191) }
```

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

Here you see how a box with a 4 pixel rgb(85, 107, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 191);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4080, 16.2083, 51.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 191) }
```

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

```
.background{ background-color: rgb(85, 107,  
191) }
```

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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