

Converting Colors

XYZ(16.2363, 11.8645, 60.6914)

Have a look what the booklet for
XYZ(16.2363, 11.8645, 60.6914)
contains.

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Color

**XYZ(16.1983, 11.8719,
60.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	3955CF
RGB	57, 85, 207
RGB Percent	22%, 33%, 81%
CMY	0.7764, 0.6667, 0.1882
CMYK	0.72, 0.59, 0.00, 0.19
HSL	229°, 61%, 52%
HSV	229°, 72%, 81%
XYZ	16.1983, 11.8719, 60.4692
YIQ	90.5360, -55.8500, 32.0060

Conversions

Conversions Part 2

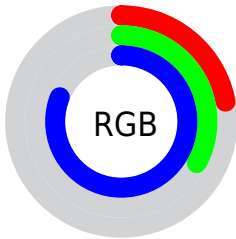
Format	Color
RYB	57, 81, 207
Decimal	3757519
CIELab	41.01, 31.47, -66.10
CIElCh	41, 73.209, 295.461
Yxy	11.8719, 0.1830, 0.1341
Android (android.graphics.Color)	4281947599 (0xFF3955CF)
YUV	90.5360, 57.4168, -29.4111
Hunter-Lab	34.4556, 23.6192, -79.9343

Details

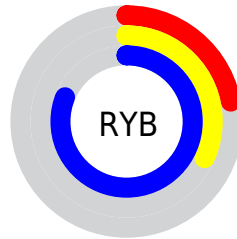
The XYZ color **16.1983, 11.8719, 60.4692** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **42.5929, 45.8048, 10.4684**, and the grayscale version is **9.7232, 10.2296, 11.1400**.

A 20% lighter version of the original color is **34.7435, 28.4811, 98.2740**, and **6.4604, 3.8529, 30.1089** is the 20% darker color. If you saturate the color by 10%, you get **14.0779, 9.0397, 60.0346**, and if you desaturate by 10%, it is **19.1160, 15.5833, 61.0321**.

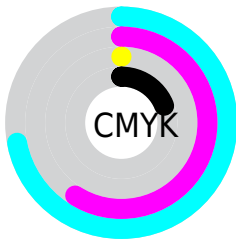
Distribution



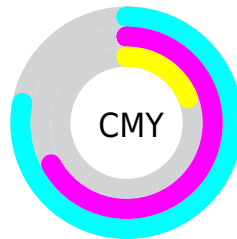
- Red (22%)
- Green (33%)
- Blue (81%)



- Red (22%)
- Yellow (32%)
- Blue (81%)



- Cyan (72%)
- Magenta (59%)
- Yellow (0%)
- Black (19%)



- Cyan (78%)
- Magenta (67%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1983, 11.8719, 60.4692 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 16.1983, 11.8719, 60.4692 by changing the saturation by 10% instead.

■ 16.1983, 11.8719,
60.4692

■ 16.1983, 11.8719,
60.4692

223.7565,
203.5554, 444.1776

■ 9.7563, 6.6565,
43.3692

■ 36.4968, 29.2616,
107.0600

■ 5.2987, 3.2482,
29.8413

■ 51.0840, 42.2047,
137.3879

■ 2.4601, 1.2627,
19.4672

■ 69.1170, 58.4924,
172.9621

■ 0.8752, 0.1120,
11.8281

■ 90.9612, 78.5093,
214.2013

■ 0.0000, 0.0000,
6.5056

■ 116.9819,
102.6396, 261.5239

■ 0.0000, 0.0000,
3.0812

147.5444,

■ 0.0000, 0.0000,

131.2678, 315.3484

1.1362

183.0142,
164.7783, 376.0935

■ 0.0000, 0.0000,
0.0000

■ 16.1983, 11.8719,
60.4692

■ 16.1983, 11.8719,
60.4692

■ 14.0779, 9.0397,
60.0346

■ 19.1160, 15.5833,
61.0321

■ 12.6677, 7.0080,
59.7168

■ 22.9020, 20.2408,
61.7316

■ 11.9760, 5.9319,
59.5455

■ 27.6208, 25.9057,
62.5763

■ 33.3305, 32.6337,
63.5740

■ 40.0843, 40.4762,
64.7318

■ 47.9314, 49.4814,
66.0564

■ 56.9179, 59.6945,
67.5540

■ 67.0874, 71.1583,
69.2308

■ 78.4809, 83.9134,
71.0923

Harmonies

Analogous

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



10.5045, 11.8719, 68.3842



16.1983, 11.8719, 60.4692



21.7966, 11.8719, 37.1894

Triad

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



16.1983, 11.8719, 60.4692



18.0217, 11.8719, 0.7274



3.9207, 11.8719, 10.7730

Complementary

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



16.1983, 11.8719, 60.4692



42.5929, 45.8048, 10.4684

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.



4.8485, 11.8719, 2.4927



16.1983, 11.8719, 60.4692



12.1009, 11.8719, 0.0000

Square

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



16.1983, 11.8719, 60.4692



23.0579, 11.8719, 4.0613



7.4800, 11.8719, 0.3224



4.4081, 11.8719, 29.7427

Rectangle

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



16.1983, 11.8719, 60.4692



24.1314, 11.8719, 21.6169



7.4800, 11.8719, 0.3224



4.0665, 11.8719, 6.9472

Sweetspot

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



16.1989, 11.8722, 60.4695



64.4678, 65.1308, 103.7814



31.9368, 48.6704, 49.3072



13.1243, 13.1612, 22.0986



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.



16.1989, 11.8722, 60.4695



21.1678, 12.5173, 95.9082



18.2063, 10.2573, 60.0520



11.3396, 11.7696, 14.9177



7.5966, 3.8398, 37.5333



0.4794, 0.3240, 2.1168

Inverse Universe

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



28.8355, 16.8485, 10.3267



43.0427, 22.8579, 8.7198



37.9526, 52.6030, 12.0252



11.8976, 11.8438, 12.7365



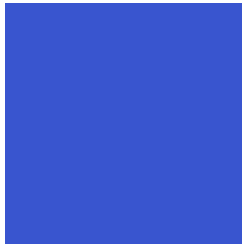
16.4651, 8.4589, 2.0896



0.9482, 0.4840, 0.2621

Previews

White Background



This preview shows how the XYZ color 16.1983, 11.8719, 60.4692 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 16.1983, 11.8719, 60.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

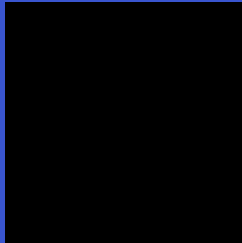
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1983, 11.8719, 60.4692

Background



This preview shows how black text looks on a background with the XYZ color 16.1983, 11.8719, 60.4692.



This preview shows how white text looks on a background with the XYZ color 16.1983, 11.8719,

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

16.1983, 11.8719, 60.4692

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.6233, 11.7883, 39.1989



Tritanopia

8.2950, 11.7303, 17.7466

Trichromacy



Original Color

16.1983, 11.8719, 60.4692

Protanomaly

14.5080, 11.6888, 56.7498

Deuteranomaly

12.8592, 11.5837, 46.3579

Tritanomaly

10.1164, 11.2212, 29.6497

Monochromacy



Original Color

16.1983, 11.8719, 60.4692

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.0305, 10.5005, 23.6357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1983, 11.8719, 60.4692 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(57, 85, 207)` looks like.

```
.text, #text, p{  
    color:rgb(57, 85, 207)  
}
```

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(57, 85, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 85, 207) }
```

Border

The CSS property to change the border of an element to XYZ 16.1983, 11.8719, 60.4692 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(57, 85, 207) }
```


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

```
.border{ border-color:rgb(57, 85, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 85, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 85, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 85, 207);  
box-shadow:4px 4px 4px 4px rgb(57, 85,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1983, 11.8719, 60.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 85, 207) }
```

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

```
.background{ background-color: rgb(57, 85,  
207) }
```

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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