

Converting Colors

XYZ(16.9253, 16.4156, 59.0162)

Have a look what the booklet for
XYZ(16.9253, 16.4156, 59.0162)
contains.

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Color

**XYZ(16.8719, 16.3851,
58.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	0672CB
RGB	6, 114, 203
RGB Percent	2%, 45%, 80%
CMY	0.9763, 0.5529, 0.2039
CMYK	0.97, 0.44, 0.00, 0.20
HSL	207°, 94%, 41%
HSV	207°, 97%, 80%
XYZ	16.8719, 16.3851, 58.7733
YIQ	91.8540, -92.9370, 4.7830

Conversions

Conversions Part 2

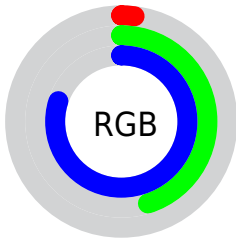
Format	Color
RYB	6, 76, 203
Decimal	422603
CIELab	47.48, 7.40, -53.40
CIELCh	47, 53.913, 277.891
Yxy	16.3851, 0.1833, 0.1780
Android (android.graphics.Color)	4278612683 (0xFF0672CB)
YUV	91.8540, 54.7950, -75.2940
Hunter-Lab	40.4785, 3.5634, -57.7519

Details

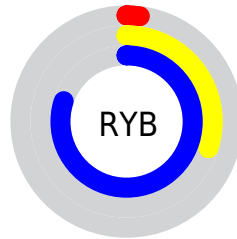
The XYZ color **16.8719, 16.3851, 58.7733** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.7583, 20.9027, 2.6925**, and the grayscale version is **10.0359, 10.5586, 11.4983**.

A 20% lighter version of the original color is **36.6507, 36.7829, 99.7759**, and **7.3525, 6.1524, 28.8170** is the 20% darker color. If you saturate the color by 10%, you get **16.4933, 15.7393, 58.6690**, and if you desaturate by 10%, it is **18.3190, 18.7451, 59.1529**.

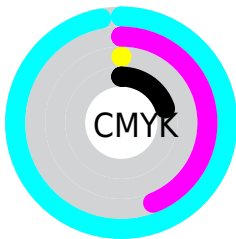
Distribution



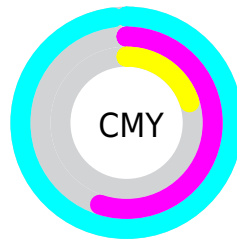
- Red (2%)
- Green (45%)
- Blue (80%)



- Red (2%)
- Yellow (30%)
- Blue (80%)



- Cyan (97%)
- Magenta (44%)
- Yellow (0%)
- Black (20%)



- Cyan (98%)
- Magenta (55%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8719, 16.3851, 58.7733 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 16.8719, 16.3851, 58.7733 by changing the saturation by 10% instead.

■ 16.8719, 16.3851,
58.7733

■ 16.8719, 16.3851,
58.7733

227.6038,
231.6035, 437.7397

■ 10.2379, 9.7971,
42.0118

■ 37.6507, 37.2655,
104.5740

■ 5.6205, 5.2646,
28.7849

■ 52.5263, 52.3266,
134.4503

■ 2.6542, 2.4033,
18.6740

■ 70.8799, 70.9809,
169.5353

■ 0.9736, 0.8276,
11.2605

■ 93.0767, 93.6127,
210.2476

■ 0.0000, 0.0000,
6.1260

■ 119.4821,
120.6065, 257.0056

■ 0.0000, 0.0000,
2.8518

150.4615,

■ 0.0000, 0.0000,

152.3467, 310.2279

1.0195

186.3803,
189.2175, 370.3331

■ 0.0000, 0.0000,
0.0000

■ 16.8719, 16.3851,
58.7733

■ 16.8719, 16.3851,
58.7733

■ 16.4933, 15.7393,
58.6690

■ 18.3190, 18.7451,
59.1529

■ 20.2340, 21.5046,
59.5846

■ 22.6924, 24.7068,
60.0732

■ 25.7505, 28.3847,
60.6219

■ 29.4567, 32.5671,
61.2338

■ 33.8541, 37.2800,
61.9118

■ 38.9818, 42.5472,
62.6582

■ 44.8758, 48.3907,
63.4754

■ 51.5696, 54.8312,
64.3658

Harmonies

Analogous

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



12.3592, 16.3851, 55.1123



16.8719, 16.3851, 58.7733



21.9395, 16.3851, 47.7858

Triad

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



16.8719, 16.3851, 58.7733



24.0273, 16.3851, 6.0528



8.5066, 16.3851, 9.6433

Complementary

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



16.8719, 16.3851, 58.7733



28.7583, 20.9027, 2.6925

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.



10.5761, 16.3851, 4.0740



16.8719, 16.3851, 58.7733



19.3019, 16.3851, 2.8659

Square

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



16.8719, 16.3851, 58.7733



26.5883, 16.3851, 14.4603



14.3436, 16.3851, 2.3951



8.1186, 16.3851, 21.7105

Rectangle

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



16.8719, 16.3851, 58.7733



24.7455, 16.3851, 35.8450



14.3436, 16.3851, 2.3951



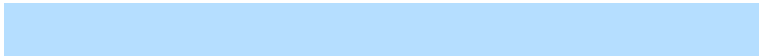
9.0047, 16.3851, 7.1755

Sweetspot

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



16.8726, 16.3856, 58.7737



63.1285, 69.0712, 104.6126



23.4826, 43.5715, 17.9219



12.7124, 13.9640, 22.2753



0.0000, 0.0000, 0.0000



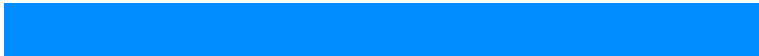
20.3446, 21.4041, 23.3091

Same Dimension

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



16.8726, 16.3856, 58.7737



27.3945, 25.9089, 98.1648



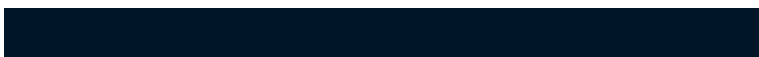
11.0390, 4.7183, 56.8292



11.1028, 11.8461, 14.2717



10.5883, 10.2006, 37.3671



0.6214, 0.6766, 1.9528

Inverse Universe

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



27.7317, 14.0428, 17.1686



45.9567, 23.1467, 26.7676



43.7657, 50.9174, 7.6950



11.4653, 11.3148, 12.9847



17.5554, 8.8327, 10.6433



0.9436, 0.4709, 0.7489

Previews

White Background



This preview shows how the XYZ color 16.8719, 16.3851, 58.7733 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 16.8719, 16.3851, 58.7733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

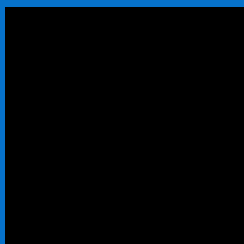
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8719, 16.3851, 58.7733

Background



This preview shows how black text looks on a background with the XYZ color 16.8719, 16.3851, 58.7733.



This preview shows how white text looks on a background with the XYZ color 16.8719, 16.3851,

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

16.8719, 16.3851, 58.7733

Protanopia

18.2602, 16.3541, 55.6203

Deuteranopia

16.6780, 16.2989, 58.1441



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

16.8719, 16.3851, 58.7733

Protanomaly

17.2821, 16.1433, 56.8487

Deuteranomaly

16.7030, 16.3118, 58.1453

Tritanomaly

13.0340, 16.1563, 34.7793

Monochromacy



Original Color

16.8719, 16.3851, 58.7733

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.6465, 11.7724, 23.5410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8719, 16.3851, 58.7733 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(6, 114, 203)` looks like.

```
.text, #text, p{  
    color:rgb(6, 114, 203)  
}
```

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(6, 114, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 114, 203) }
```

Border

The CSS property to change the border of an element to XYZ 16.8719, 16.3851, 58.7733 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(6, 114, 203) }
```


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

```
.border{ border-color:rgb(6, 114, 203) }
```

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

Here you see how a box with a 4 pixel rgb(6, 114, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 114, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 114, 203);  
box-shadow:4px 4px 4px 4px rgb(6, 114,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8719, 16.3851, 58.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 114, 203) }
```

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

```
.background{ background-color: rgb(6, 114,  
203) }
```

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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