

Converting Colors

XYZ(17.6447, 16.8654, 58.8238)

Have a look what the booklet for
XYZ(17.6447, 16.8654, 58.8238)
contains.

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Color

**XYZ(17.5961, 16.7585,
58.8072)**

Conversions

Conversions Part 1

Format	Color
Hex	2672CB
RGB	38, 114, 203
RGB Percent	15%, 45%, 80%
CMY	0.8509, 0.5529, 0.2039
CMYK	0.81, 0.44, 0.00, 0.20
HSL	212°, 68%, 47%
HSV	212°, 81%, 80%
XYZ	17.5961, 16.7585, 58.8072
YIQ	101.4220, -73.8650, 11.5670

Conversions

Conversions Part 2

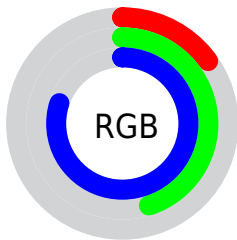
Format	Color
R_{YB}	38, 90, 203
Decimal	2519755
CIE _{Lab}	47.95, 9.30, -52.61
CIE _{LCh}	48, 53.425, 280.028
Yxy	16.7585, 0.1889, 0.1799
Android (android.graphics.Color)	4280709835 (0xFF2672CB)
YUV	101.4220, 50.0780, -55.6211
Hunter-Lab	40.9371, 5.0850, -56.5155

Details

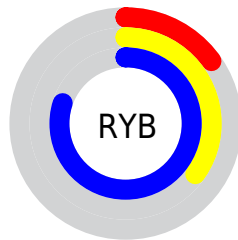
The XYZ color **17.5961, 16.7585, 58.8072** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **32.5700, 28.0189, 5.5265**, and the grayscale version is **12.3681, 13.0122, 14.1703**.

A 20% lighter version of the original color is **37.9355, 37.4453, 99.8360**, and **7.3525, 6.1524, 28.8170** is the 20% darker color. If you saturate the color by 10%, you get **15.8790, 14.1482, 58.3943**, and if you desaturate by 10%, it is **19.8703, 19.8758, 59.2894**.

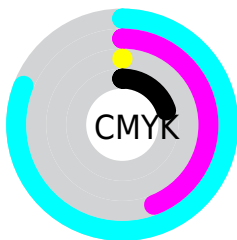
Distribution



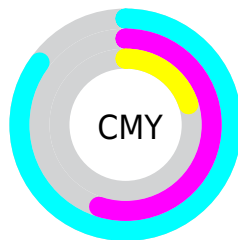
- Red (15%)
- Green (45%)
- Blue (80%)



- Red (15%)
- Yellow (35%)
- Blue (80%)



- Cyan (81%)
- Magenta (44%)
- Yellow (0%)
- Black (20%)



- Cyan (85%)
- Magenta (55%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5961, 16.7585, 58.8072 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 17.5961, 16.7585, 58.8072 by changing the saturation by 10% instead.

■ 17.5961, 16.7585,
58.8072

■ 17.5961, 16.7585,
58.8072

231.6744,
233.7768, 437.8690

■ 10.7583, 10.0625,
42.0389

■ 38.8834, 37.9101,
104.6238

■ 5.9707, 5.4404,
28.8060

■ 54.0636, 53.1344,
134.5091

■ 2.8677, 2.5079,
18.6898

■ 72.7553, 71.9703,
169.6040

■ 1.0842, 0.8806,
11.2718

■ 95.3240, 94.8021,
210.3268

■ 0.0118, 0.0000,
6.1335

■ 122.1348,
122.0143, 257.0962

■ 0.0000, 0.0000,
2.8563

153.5533,

■ 0.0000, 0.0000,

153.9912, 310.3307

1.0217

189.9447,
191.1173, 370.4488

■ 0.0000, 0.0000,
0.0000

■ 17.5961, 16.7585,
58.8072

■ 17.5961, 16.7585,
58.8072

■ 15.8790, 14.1482,
58.3943

■ 19.8703, 19.8758,
59.2894

■ 14.7375, 12.2277,
58.0837

■ 22.7624, 23.5383,
59.8439

■ 26.3266, 27.7813,
60.4751

■ 30.6101, 32.6356,
61.1863

■ 35.6553, 38.1296,
61.9808

■ 41.5013, 44.2896,
62.8617

■ 48.1842, 51.1401,
63.8317

■ 55.7379, 58.7045,
64.8937

■ 64.1943, 67.0047,
66.0501

Harmonies

Analogous

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



12.9700, 16.7585, 56.2491



17.5961, 16.7585, 58.8072



22.6580, 16.7585, 47.0229

Triad

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



17.5961, 16.7585, 58.8072



24.1243, 16.7585, 5.9523



8.7136, 16.7585, 10.6045

Complementary

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



17.5961, 16.7585, 58.8072



32.5700, 28.0189, 5.5265

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.



10.6837, 16.7585, 4.5409



17.5961, 16.7585, 58.8072



19.3056, 16.7585, 2.9478

Square

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



17.5961, 16.7585, 58.8072



26.8990, 16.7585, 14.0074



14.3696, 16.7585, 2.6088



8.4386, 16.7585, 23.2662

Rectangle

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



17.5961, 16.7585, 58.8072



25.3732, 16.7585, 34.9632



14.3696, 16.7585, 2.6088



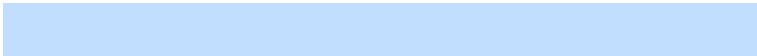
9.1774, 16.7585, 7.9455

Sweetspot

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



17.5968, 16.7590, 58.8076



66.3645, 70.8983, 104.7947



25.9223, 44.6310, 26.9894



13.4468, 14.3768, 22.3162



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.



17.5968, 16.7590, 58.8076



24.8538, 20.7328, 97.2996



12.4911, 6.2237, 57.0432



11.0204, 11.6812, 14.2442



9.4678, 7.9597, 36.9936



0.5640, 0.5618, 1.9337

Inverse Universe

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



28.3596, 15.2986, 17.3781



44.6974, 22.7315, 19.8632



44.8635, 54.7903, 10.0459



11.4236, 11.2982, 12.7655



16.9898, 8.6065, 7.6651



0.9146, 0.4593, 0.5964

Previews

White Background



This preview shows how the XYZ color 17.5961, 16.7585, 58.8072 looks on a white background.

Color Contrast Check

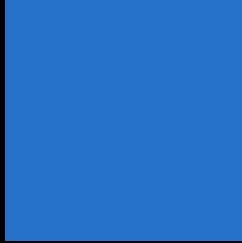
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5961, 16.7585, 58.8072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

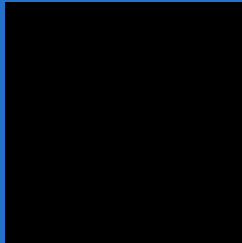
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5961, 16.7585, 58.8072

Background



This preview shows how black text looks on a background with the XYZ color 17.5961, 16.7585, 58.8072.



This preview shows how white text looks on a background with the XYZ color 17.5961, 16.7585,

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

17.5961, 16.7585, 58.8072

Protanopia

18.5572, 16.6531, 56.2691

Deuteranopia

17.2636, 16.7554, 58.8241



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

17.5961, 16.7585, 58.8072

Protanomaly

17.9732, 16.4997, 56.8810

Deuteranomaly

17.3891, 16.8201, 58.8300

Tritanomaly

13.4858, 16.5505, 35.7415

Monochromacy



Original Color

17.5961, 16.7585, 58.8072

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.8834, 13.7627, 26.0222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5961, 16.7585, 58.8072 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(38, 114, 203)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 114, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 114, 203) }
```

Border

The CSS property to change the border of an element to XYZ 17.5961, 16.7585, 58.8072 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(38, 114, 203) }
```


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

```
.border{ border-color:rgb(38, 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(38, 114, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 114, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 114, 203);  
box-shadow:4px 4px 4px 4px rgb(38, 114,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5961, 16.7585, 58.8072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 114, 203) }
```

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

```
.background{ background-color: rgb(38, 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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