

Converting Colors

XYZ(17.5861, 16.7579, 57.3202)

Have a look what the booklet for
XYZ(17.5861, 16.7579, 57.3202)
contains.

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Color

**XYZ(17.6421, 16.8096,
57.5731)**

Conversions

Conversions Part 1

Format	Color
Hex	2D72C9
RGB	45, 114, 201
RGB Percent	18%, 45%, 79%
CMY	0.8235, 0.5529, 0.2118
CMYK	0.78, 0.43, 0.00, 0.21
HSL	213°, 63%, 48%
HSV	213°, 78%, 79%
XYZ	17.6421, 16.8096, 57.5731
YIQ	103.2870, -69.0510, 12.4290

Conversions

Conversions Part 2

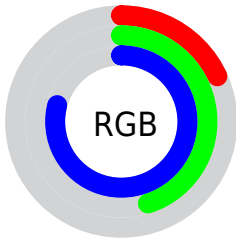
Format	Color
R _Y B	45, 93, 201
Decimal	2978505
CIE Lab	48.02, 9.27, -51.35
CIE LCh	48, 52.179, 280.234
Yxy	16.8096, 0.1917, 0.1827
Android (android.graphics.Color)	4281168585 (0xFF2D72C9)
YUV	103.2870, 48.1725, -51.1177
Hunter-Lab	40.9995, 5.0594, -54.5577

Details

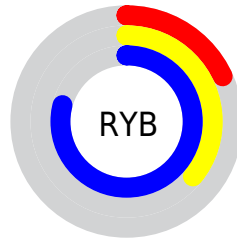
The XYZ color **17.6421, 16.8096, 57.5731** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **32.8142, 29.1126, 6.3736**, and the grayscale version is **12.8587, 13.5283, 14.7324**.

A 20% lighter version of the original color is **38.3152, 37.6410, 99.8537**, and **7.1955, 6.0896, 27.9903** is the 20% darker color. If you saturate the color by 10%, you get **15.7709, 14.0816, 57.1455**, and if you desaturate by 10%, it is **20.0905, 20.0655, 58.0729**.

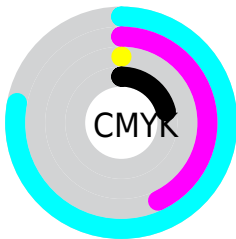
Distribution



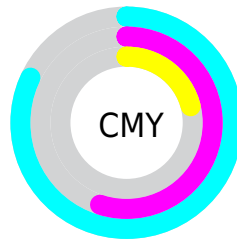
- Red (18%)
- Green (45%)
- Blue (79%)



- Red (18%)
- Yellow (36%)
- Blue (79%)



- Cyan (78%)
- Magenta (43%)
- Yellow (0%)
- Black (21%)



- Cyan (82%)
- Magenta (55%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6421, 16.8096, 57.5731 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 17.6421, 16.8096, 57.5731 by changing the saturation by 10% instead.

■ 17.6421, 16.8096,
57.5731

■ 17.6421, 16.8096,
57.5731

231.9307,
234.0728, 433.1471

■ 10.7915, 10.0988,
41.0531

■ 38.9614, 37.9981,
102.8096

■ 5.9930, 5.4645,
28.0406

■ 54.1608, 53.2447,
132.3631

■ 2.8815, 2.5223,
18.1169

■ 72.8738, 72.1053,
167.0983

■ 1.0914, 0.8878,
10.8637

■ 95.4658, 94.9643,
207.4336

■ 0.0179, 0.0000,
5.8622

■ 122.3021,
122.2062, 253.7876

■ 0.0000, 0.0000,
2.6940

153.7482,

■ 0.0000, 0.0000,

154.2153, 306.5788

0.9404

190.1692,
191.3760, 366.2258

■ 0.0000, 0.0000,
0.0000

■ 17.6421, 16.8096,
57.5731

■ 17.6421, 16.8096,
57.5731

■ 15.7709, 14.0816,
57.1455

■ 20.0905, 20.0655,
58.0729

■ 14.3938, 11.8299,
56.7835

■ 23.1719, 23.8857,
58.6479

■ 14.1065, 11.3447,
56.7050

■ 26.9373, 28.3038,
59.3022

■ 31.4314, 33.3502,
60.0394

■ 36.6948, 39.0527,
60.8627

■ 42.7647, 45.4371,
61.7750

■ 49.6762, 52.5277,
62.7794

■ 57.4619, 60.3476,
63.8784

■ 66.1526, 68.9187,
65.0748

Harmonies

Analogous

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



13.1038, 16.8096, 55.2097



17.6421, 16.8096, 57.5731



22.5754, 16.8096, 46.1302

Triad

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



17.6421, 16.8096, 57.5731



23.9430, 16.8096, 6.1351



8.8753, 16.8096, 10.8534

Complementary

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



17.6421, 16.8096, 57.5731



32.8142, 29.1126, 6.3736

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.



10.8087, 16.8096, 4.7780



17.6421, 16.8096, 57.5731



19.2422, 16.8096, 3.1309

Square

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



17.6421, 16.8096, 57.5731



26.6590, 16.8096, 14.0674



14.4202, 16.8096, 2.7994



8.6146, 16.8096, 23.3130

Rectangle

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



17.6421, 16.8096, 57.5731



25.2068, 16.8096, 34.4502



14.4202, 16.8096, 2.7994



9.3301, 16.8096, 8.2041

Sweetspot

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



17.6428, 16.8101, 57.5735



67.1043, 71.3991, 104.8524



26.0530, 43.9652, 28.5166



13.5765, 14.4491, 22.3233



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.



17.6428, 16.8101, 57.5735



25.3468, 21.4474, 97.4116



12.9398, 6.8465, 55.8982



10.4363, 11.0466, 13.4997



8.9577, 7.3094, 35.6831



0.4961, 0.4899, 1.7136

Inverse Universe

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



28.0637, 15.5102, 17.4346



45.0125, 23.1112, 20.7405



43.4043, 53.3271, 10.4893



10.8255, 10.7136, 12.0643



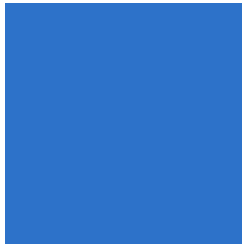
16.3208, 8.2779, 6.8991



0.8091, 0.4065, 0.5178

Previews

White Background



This preview shows how the XYZ color 17.6421, 16.8096, 57.5731 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 17.6421, 16.8096, 57.5731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

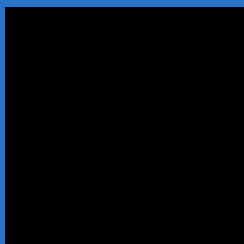
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

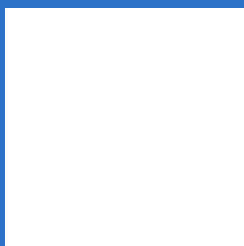
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6421, 16.8096, 57.5731

Background



This preview shows how black text looks on a background with the XYZ color 17.6421, 16.8096, 57.5731.



This preview shows how white text looks on a background with the XYZ color 17.6421, 16.8096,

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

17.6421, 16.8096, 57.5731

Protanopia

18.4780, 16.6389, 55.0611

Deuteranopia

17.3330, 16.8186, 57.5911



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

17.6421, 16.8096, 57.5731

Protanomaly

17.9274, 16.5029, 55.6666

Deuteranomaly

17.4727, 16.8906, 57.5976

Tritanomaly

13.4312, 16.5324, 35.2841

Monochromacy



Original Color

17.6421, 16.8096, 57.5731

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.3976, 14.1733, 26.4557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6421, 16.8096, 57.5731 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(45, 114, 201)` looks like.

```
.text, #text, p{  
    color:rgb(45, 114, 201)  
}
```

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(45, 114, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 114, 201) }
```

Border

The CSS property to change the border of an element to XYZ 17.6421, 16.8096, 57.5731 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(45, 114, 201) }
```


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

```
.border{ border-color:rgb(45, 114, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 114, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 114, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 114, 201);  
box-shadow:4px 4px 4px 4px rgb(45, 114,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6421, 16.8096, 57.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 114, 201) }
```

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

```
.background{ background-color: rgb(45, 114,  
201) }
```

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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