

Converting Colors

XYZ(12.4799, 14.5866, 60.3960)

Have a look what the booklet for
XYZ(12.4799, 14.5866, 60.3960)
contains.

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Color

**XYZ(17.5019, 17.1788,
60.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	0075CE
RGB	0, 117, 206
RGB Percent	0%, 46%, 81%
CMY	0.9998, 0.5412, 0.1922
CMYK	1.00, 0.43, 0.00, 0.19
HSL	206°, 100%, 40%
HSV	206°, 100%, 81%
XYZ	17.5019, 17.1788, 60.7859
YIQ	92.1630, -98.3010, 2.8750

Conversions

Conversions Part 2

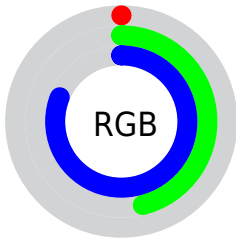
Format	Color
RYB	0, 75, 206
Decimal	30158
CIELab	48.48, 6.51, -53.50
CIELCh	48, 53.895, 276.935
Yxy	17.1788, 0.1833, 0.1799
Android (android.graphics.Color)	4278220238 (0xFF0075CE)
YUV	92.1630, 56.1216, -80.8270
Hunter-Lab	41.4473, 2.8421, -57.9405

Details

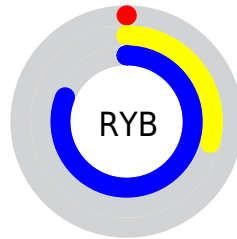
The XYZ color **17.5019, 17.1788, 60.7859** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.0307, 20.2753, 2.3849**, and the grayscale version is **10.1049, 10.6312, 11.5773**.

A 20% lighter version of the original color is **37.1982, 37.8779, 99.9584**, and **7.7761, 6.6147, 30.1451** is the 20% darker color. If you saturate the color by 10%, you get **17.4994, 17.1738, 60.7855**, and if you desaturate by 10%, it is **18.8910, 19.5088, 61.1628**.

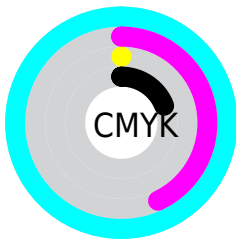
Distribution



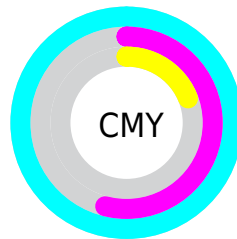
- Red (0%)
- Green (46%)
- Blue (81%)



- Red (0%)
- Yellow (29%)
- Blue (81%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (54%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5019, 17.1788, 60.7859 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 17.5019, 17.1788, 60.7859 by changing the saturation by 10% instead.

■ 17.5019, 17.1788,
60.7859

■ 17.5019, 17.1788,
60.7859

231.1486,
236.2007, 445.3734

■ 10.6905, 10.3621,
43.6230

■ 38.7235, 38.6329,
107.5234

■ 5.9249, 5.6397,
30.0392

■ 53.8644, 54.0391,
137.9350

■ 2.8397, 2.6272,
19.6160

■ 72.5125, 73.0772,
173.6000

■ 1.0696, 0.9404,
11.9349

■ 95.0332, 96.1317,
214.9368

■ 0.0000, 0.0000,
6.5774

■ 121.7918,
123.5869, 262.3640

■ 0.0000, 0.0000,
3.1248

153.1536,

■ 0.0000, 0.0000,

155.8271, 316.3001

1.1587

189.4841,
193.2369, 377.1637

■ 0.0000, 0.0000,
0.0000

■ 17.5019, 17.1788,
60.7859

■ 17.5019, 17.1788,
60.7859

■ 17.4994, 17.1738,
60.7855

■ 18.8910, 19.5088,
61.1628

■ 20.7020, 22.2064,
61.5881

■ 23.0469, 25.3335,
62.0681

■ 25.9871, 28.9252,
62.6064

■ 29.5746, 33.0118,
63.2061

■ 33.8550, 37.6203,
63.8700

■ 38.8698, 42.7753,
64.6007

■ 44.6568, 48.4995,
65.4006

■ 51.2511, 54.8141,
66.2719

Harmonies

Analogous

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



12.8824, 17.1788, 56.5542



17.5019, 17.1788, 60.7859



22.7263, 17.1788, 49.9604

Triad

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



17.5019, 17.1788, 60.7859



25.1573, 17.1788, 6.6580



9.0554, 17.1788, 9.9437

Complementary

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



17.5019, 17.1788, 60.7859



29.0307, 20.2753, 2.3849

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.



11.2596, 17.1788, 4.2986



17.5019, 17.1788, 60.7859



20.3388, 17.1788, 3.1803

Square

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



17.5019, 17.1788, 60.7859



27.6878, 17.1788, 15.6087



15.2077, 17.1788, 2.6117



8.5977, 17.1788, 22.1855

Rectangle

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



17.5019, 17.1788, 60.7859



25.6514, 17.1788, 37.8168



15.2077, 17.1788, 2.6117



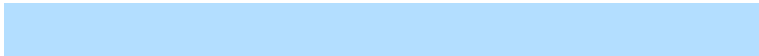
9.5914, 17.1788, 7.4429

Sweetspot

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



17.5026, 17.1793, 60.7864



62.6306, 68.9554, 104.6165



23.7463, 44.8129, 16.1735



12.6357, 13.9758, 22.2816



0.0000, 0.0000, 0.0000



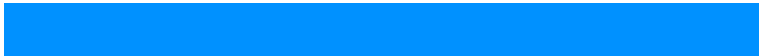
20.3446, 21.4041, 23.3091

Same Dimension

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



17.5026, 17.1793, 60.7864



28.1453, 27.4106, 98.4151



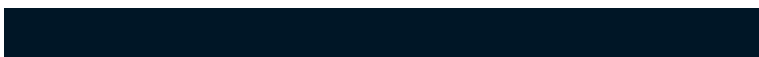
11.3451, 4.8641, 58.7338



11.1216, 11.8836, 14.2780



10.8736, 10.7711, 37.4622



0.6355, 0.7047, 1.9575

Inverse Universe

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



28.6652, 14.4074, 18.0999



46.3356, 23.2983, 28.7633



43.6169, 49.4476, 7.2470



11.4747, 11.3186, 13.0345



17.6994, 8.8903, 11.4015



0.9507, 0.4737, 0.7863

Previews

White Background



This preview shows how the XYZ color 17.5019, 17.1788, 60.7859 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 17.5019, 17.1788, 60.7859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

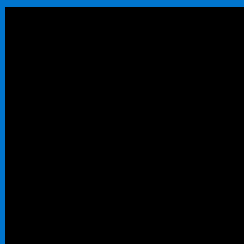
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5019, 17.1788, 60.7859

Background



This preview shows how black text looks on a background with the XYZ color 17.5019, 17.1788, 60.7859.



This preview shows how white text looks on a background with the XYZ color 17.5019, 17.1788,

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

17.5019, 17.1788, 60.7859

Protanopia

19.1608, 17.2612, 57.5802

Deuteranopia

17.7704, 17.3173, 60.7985



Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

17.5019, 17.1788, 60.7859

Protanomaly

17.9691, 16.9508, 58.8247

Deuteranomaly

17.6535, 17.2570, 60.7930

Tritanomaly

13.6407, 16.9885, 36.2784

Monochromacy



Original Color

17.5019, 17.1788, 60.7859

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.6910, 11.9306, 23.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5019, 17.1788, 60.7859 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(0, 117, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 206)  
}
```

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(0, 117, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 206) }
```

Border

The CSS property to change the border of an element to XYZ 17.5019, 17.1788, 60.7859 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(0, 117, 206) }
```


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

```
.border{ border-color:rgb(0, 117, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5019, 17.1788, 60.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 206) }
```

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

```
.background{ background-color: rgb(0, 117,  
206) }
```

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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