

Converting Colors

XYZ(10.1444, 14.1563, 50.8843)

Have a look what the booklet for
XYZ(10.1444, 14.1563, 50.8843)
contains.

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Color

**XYZ(16.0107, 17.1506,
51.1817)**

Conversions

Conversions Part 1

Format	Color
Hex	0078BE
RGB	0, 120, 190
RGB Percent	0%, 47%, 75%
CMY	0.9998, 0.5294, 0.2549
CMYK	1.00, 0.37, 0.00, 0.25
HSL	202°, 100%, 37%
HSV	202°, 100%, 75%
XYZ	16.0107, 17.1506, 51.1817
YIQ	92.1000, -93.9900, -3.6700

Conversions

Conversions Part 2

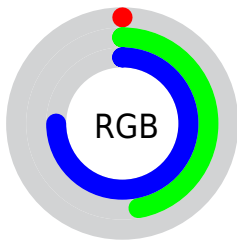
Format	Color
R _Y B	0, 74, 190
Decimal	30910
CIE Lab	48.45, -1.66, -44.39
CIE LCh	48, 44.418, 267.859
Yxy	17.1506, 0.1898, 0.2033
Android (android.graphics.Color)	4278220990 (0xFF0078BE)
YUV	92.1000, 48.2647, -80.7717
Hunter-Lab	41.4133, -3.4637, -44.2858

Details

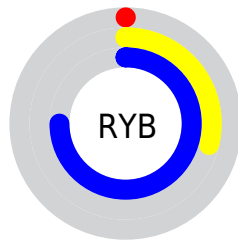
The XYZ color **16.0107, 17.1506, 51.1817** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **23.4281, 15.3324, 1.7258**, and the grayscale version is **10.1064, 10.6327, 11.5790**.

A 20% lighter version of the original color is **36.2603, 38.6533, 93.5454**, and **6.7613, 6.4123, 24.1739** is the 20% darker color. If you saturate the color by 10%, you get **16.0092, 17.1474, 51.1816**, and if you desaturate by 10%, it is **17.1533, 19.0359, 51.4858**.

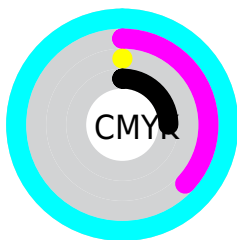
Distribution



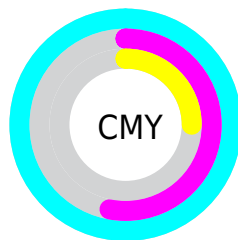
- Red (0%)
- Green (47%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0107, 17.1506, 51.1817 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 16.0107, 17.1506, 51.1817 by changing the saturation by 10% instead.

■ 16.0107, 17.1506,
51.1817

■ 16.0107, 17.1506,
51.1817

222.6740,
236.0388, 408.1360

■ 9.6226, 10.3419,
35.9755

■ 36.1741, 38.5845,
93.3375

■ 5.2098, 5.6262,
24.1257

■ 50.6801, 53.9786,
121.1243

■ 2.4069, 2.6192,
15.2139

■ 68.6228, 73.0032,
153.9416

■ 0.8486, 0.9363,
8.8213

■ 90.3675, 96.0428,
192.2081

■ 0.0000, 0.0000,
4.5296

■ 116.2796,
123.4817, 236.3422

■ 0.0000, 0.0000,
1.9201

■ 146.7245,

■ 0.0000, 0.0000,

155.7045, 286.7625

0.5055

182.0675,
193.0953, 343.8876

■ 0.0000, 0.0000,
0.0000

■ 16.0107, 17.1506,
51.1817

■ 16.0107, 17.1506,
51.1817

■ 16.0092, 17.1474,
51.1816

■ 17.1533, 19.0359,
51.4858

■ 18.6207, 21.1817,
51.8226

■ 20.5095, 23.6400,
52.1975

■ 22.8688, 26.4377,
52.6132

■ 25.7404, 29.5980,
53.0719

■ 29.1608, 33.1417,
53.5756

■ 33.1633, 37.0874,
54.1262

■ 37.7783, 41.4523,
54.7255

■ 43.0337, 46.2526,
55.3751

Harmonies

Analogous

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



12.4850, 17.1506, 44.7779



16.0107, 17.1506, 51.1817



20.2348, 17.1506, 46.2938

Triad

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



16.0107, 17.1506, 51.1817



24.2375, 17.1506, 10.0426



10.5362, 17.1506, 9.1143

Complementary

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



16.0107, 17.1506, 51.1817



23.4281, 15.3324, 1.7258

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.



12.9134, 17.1506, 5.0482



16.0107, 17.1506, 51.1817



20.8250, 17.1506, 5.4062

Square

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



16.0107, 17.1506, 51.1817



25.4300, 17.1506, 19.5234



16.5951, 17.1506, 4.0446



9.6693, 17.1506, 17.8498

Rectangle

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



16.0107, 17.1506, 51.1817



22.8136, 17.1506, 38.0898



16.5951, 17.1506, 4.0446



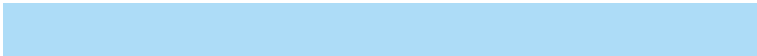
11.1634, 17.1506, 7.3182

Sweetspot

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



16.0114, 17.1511, 51.1822



59.7030, 66.8273, 98.0314



19.5098, 37.2657, 11.9081



12.4062, 13.9877, 21.4313



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.0114, 17.1511, 51.1822



28.7652, 30.5822, 92.6660



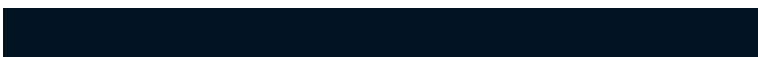
9.6503, 4.4290, 49.0618



9.5050, 10.2023, 12.1405



10.7221, 11.5560, 34.0583



0.4805, 0.5736, 1.3543

Inverse Universe

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



24.6260, 12.3042, 18.8466



44.4993, 22.2450, 33.4911



34.6317, 37.7395, 5.4603



9.7767, 9.6350, 11.2133



16.4128, 8.1963, 12.7333



0.6734, 0.3333, 0.6595

Previews

White Background



This preview shows how the XYZ color 16.0107, 17.1506, 51.1817 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 16.0107, 17.1506, 51.1817 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 16.0107, 17.1506, 51.1817

Background



This preview shows how black text looks on a background with the XYZ color 16.0107, 17.1506, 51.1817.

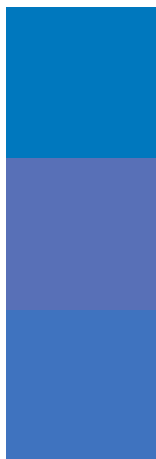


This preview shows how white text looks on a background with the XYZ color 16.0107, 17.1506,

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

16.0107, 17.1506, 51.1817

Protanopia

18.3659, 17.0819, 47.1289

Deuteranopia

17.5846, 17.0798, 51.6601



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

16.0107, 17.1506, 51.1817

Protanomaly

16.6245, 16.6474, 48.7914

Deuteranomaly

16.6403, 16.9353, 51.6820

Tritanomaly

13.3344, 17.0675, 34.0441

Monochromacy



Original Color

16.0107, 17.1506, 51.1817

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.4513, 11.9911, 22.1857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0107, 17.1506, 51.1817 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, 120, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 190)  
}
```

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, 120, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 190) }
```

Border

The CSS property to change the border of an element to XYZ 16.0107, 17.1506, 51.1817 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, 120, 190) }
```


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

```
.border{ border-color:rgb(0, 120, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0107, 17.1506, 51.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 190) }
```

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

```
.background{ background-color: rgb(0, 120,  
190) }
```

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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