

Converting Colors

XYZ(16.0018, 17.7975, 49.1299)

Have a look what the booklet for
XYZ(16.0018, 17.7975, 49.1299)
contains.

XYZ(15.9459, 17.7111, 49.0325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9459, 17.7111,
49.0325)**

Conversions

Conversions Part 1

Format	Color
Hex	007BBA
RGB	0, 123, 186
RGB Percent	0%, 48%, 73%
CMY	0.9998, 0.5176, 0.2706
CMYK	1.00, 0.34, 0.00, 0.27
HSL	200°, 100%, 36%
HSV	200°, 100%, 73%
XYZ	15.9459, 17.7111, 49.0325
YIQ	93.4050, -93.5310, -6.4830

Conversions

Conversions Part 2

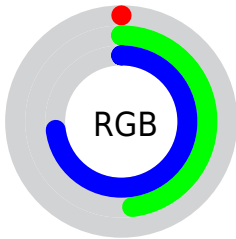
Format	Color
RYB	0, 74, 186
Decimal	31674
CIELab	49.14, -5.03, -40.98
CIELCh	49, 41.289, 263.007
Yxy	17.7111, 0.1928, 0.2142
Android (android.graphics.Color)	4278221754 (0xFF007BBA)
YUV	93.4050, 45.6493, -81.9162
Hunter-Lab	42.0846, -6.0141, -39.6193

Details

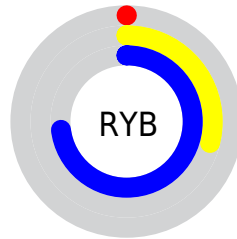
The XYZ color **15.9459, 17.7111, 49.0325** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.0297, 13.9985, 1.5420**, and the grayscale version is **10.4142, 10.9566, 11.9317**.

A 20% lighter version of the original color is **35.9731, 39.4504, 89.7231**, and **6.6809, 6.6981, 22.7705** is the 20% darker color. If you saturate the color by 10%, you get **15.9445, 17.7082, 49.0324**, and if you desaturate by 10%, it is **17.0147, 19.4604, 49.3142**.

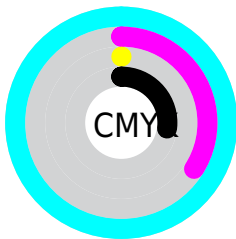
Distribution



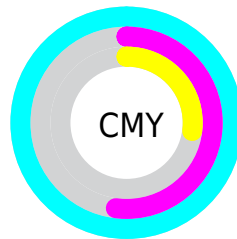
- Red (0%)
- Green (48%)
- Blue (73%)



- Red (0%)
- Yellow (29%)
- Blue (73%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (52%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9459, 17.7111, 49.0325 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 15.9459, 17.7111, 49.0325 by changing the saturation by 10% instead.

■ 15.9459, 17.7111,
49.0325

■ 15.9459, 17.7111,
49.0325

■ 222.2989,
239.2376, 399.4964

■ 9.5765, 10.7428,
34.2795

■ 36.0625, 39.5444,
90.1212

■ 5.1792, 5.8941,
22.8293

■ 50.5403, 55.1782,
117.2940

■ 2.3886, 2.7808,
14.2634

■ 68.4517, 74.4693,
149.4437

■ 0.8394, 1.0184,
8.1632

■ 90.1620, 97.8020,
186.9890

■ 0.0000, 0.0000,
4.1103

■ 116.0365,
125.5608, 230.3484

■ 0.0000, 0.0000,
1.6861

■ 146.4406,

■ 0.0000, 0.0000,

158.1301, 279.9404

0.3512

181.7396,
195.8942, 336.1836

■ 0.0000, 0.0000,
0.0000

■ 15.9459, 17.7111,
49.0325

■ 15.9459, 17.7111,
49.0325

■ 15.9445, 17.7082,
49.0324

■ 17.0147, 19.4604,
49.3142

■ 18.3830, 21.4398,
49.6242

■ 20.1438, 23.6991,
49.9674

■ 22.3432, 26.2631,
50.3464

■ 25.0207, 29.1535,
50.7632

■ 28.2107, 32.3893,
51.2196

■ 31.9445, 35.9877,
51.7174

■ 36.2507, 39.9648,
52.2581

■ 41.1556, 44.3352,
52.8432

Harmonies

Analogous

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



12.7493, 17.7111, 41.7465



15.9459, 17.7111, 49.0325



19.9063, 17.7111, 46.2309

Triad

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



15.9459, 17.7111, 49.0325



24.6360, 17.7111, 12.1092



11.5720, 17.7111, 9.1094

Complementary

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



15.9459, 17.7111, 49.0325



22.0297, 13.9985, 1.5420

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.



14.0951, 17.7111, 5.5854



15.9459, 17.7111, 49.0325



21.7092, 17.7111, 6.7972

Square

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



15.9459, 17.7111, 49.0325



25.3327, 17.7111, 21.9911



17.7542, 17.7111, 4.9406



10.4866, 17.7111, 16.8094

Rectangle

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



15.9459, 17.7111, 49.0325



22.4240, 17.7111, 39.3918



17.7542, 17.7111, 4.9406



12.2597, 17.7111, 7.5384

Sweetspot

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



15.9466, 17.7117, 49.0330



57.5258, 64.8754, 93.6917



18.4297, 35.4664, 10.4355



12.0142, 13.6631, 20.5466



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



15.9466, 17.7117, 49.0330



28.6669, 31.6304, 88.7958



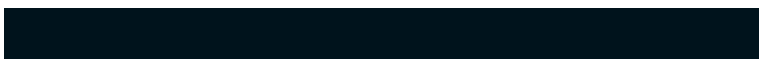
9.3543, 4.5271, 46.8355



9.0035, 9.6842, 11.4741



10.7984, 12.0564, 33.0111



0.4355, 0.5347, 1.1820

Inverse Universe

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



23.8255, 11.8701, 19.7747



43.0649, 21.4659, 35.2146



31.9726, 33.8843, 4.8563



9.2481, 9.1096, 10.6540



16.0642, 7.9994, 13.4908



0.5940, 0.2931, 0.6213

Previews

White Background



This preview shows how the XYZ color 15.9459, 17.7111, 49.0325 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 15.9459, 17.7111, 49.0325 looks on a black 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

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

XYZ 15.9459, 17.7111, 49.0325

Background



This preview shows how black text looks on a background with the XYZ color 15.9459, 17.7111, 49.0325.

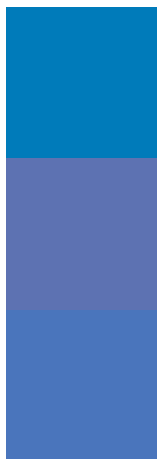


This preview shows how white text looks on a background with the XYZ color 15.9459, 17.7111,

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

15.9459, 17.7111, 49.0325

Protanopia

18.5674, 17.5761, 44.5334

Deuteranopia

18.2624, 17.8093, 50.0520



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

15.9459, 17.7111, 49.0325

Protanomaly

16.5054, 16.9886, 46.1253

Deuteranomaly

16.7388, 17.3858, 49.4873

Tritanomaly

13.5901, 17.5790, 34.1293

Monochromacy



Original Color

15.9459, 17.7111, 49.0325

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.5847, 12.3627, 21.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9459, 17.7111, 49.0325 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, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 186)  
}
```

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, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 186) }
```

Border

The CSS property to change the border of an element to XYZ 15.9459, 17.7111, 49.0325 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, 123, 186) }
```


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

```
.border{ border-color:rgb(0, 123, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9459, 17.7111, 49.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 186) }
```

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

```
.background{ background-color: rgb(0, 123,  
186) }
```

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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