

Converting Colors

XYZ(8.7080, 13.8296, 49.7655)

Have a look what the booklet for
XYZ(8.7080, 13.8296, 49.7655)
contains.

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Color

**XYZ(16.0366, 17.5499,
50.1192)**

Conversions

Conversions Part 1

Format	Color
Hex	007ABC
RGB	0, 122, 188
RGB Percent	0%, 48%, 74%
CMY	0.9999, 0.5216, 0.2627
CMYK	1.00, 0.35, 0.00, 0.26
HSL	201°, 100%, 37%
HSV	201°, 100%, 74%
XYZ	16.0366, 17.5499, 50.1192
YIQ	93.0460, -93.8980, -5.3380

Conversions

Conversions Part 2

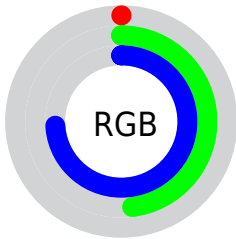
Format	Color
RYB	0, 74, 188
Decimal	31420
CIELab	48.95, -3.65, -42.45
CIELCh	49, 42.604, 265.085
Yxy	17.5499, 0.1916, 0.2097
Android (android.graphics.Color)	4278221500 (0xFF007ABC)
YUV	93.0460, 46.8123, -81.6013
Hunter-Lab	41.8926, -4.9818, -41.6082

Details

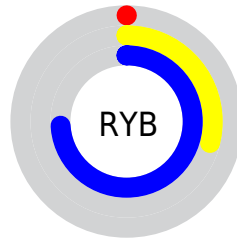
The XYZ color **16.0366, 17.5499, 50.1192** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.6896, 14.5920, 1.6217**, and the grayscale version is **10.3278, 10.8657, 11.8327**.

A 20% lighter version of the original color is **36.2336, 39.2444, 92.0514**, and **6.7519, 6.6188, 23.4759** is the 20% darker color. If you saturate the color by 10%, you get **16.0353, 17.5472, 50.1191**, and if you desaturate by 10%, it is **17.1405, 19.3636, 50.4115**.

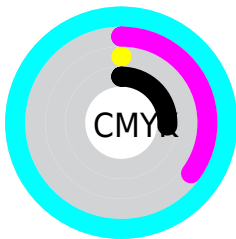
Distribution



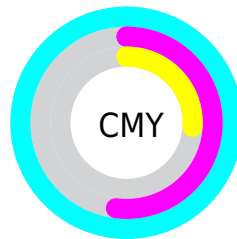
- Red (0%)
- Green (48%)
- Blue (74%)



- Red (0%)
- Yellow (29%)
- Blue (74%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (52%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0366, 17.5499, 50.1192 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 16.0366, 17.5499, 50.1192 by changing the saturation by 10% instead.

■ 16.0366, 17.5499,
50.1192

■ 16.0366, 17.5499,
50.1192

■ 222.8237,
238.3217, 403.8803

■ 9.6411, 10.6273,
35.1363

■ 36.2187, 39.2689,
91.7496

■ 5.2221, 5.8168,
23.4835

■ 50.7359, 54.8340,
119.2341

■ 2.4142, 2.7340,
14.7423

■ 68.6911, 74.0489,
151.7230

■ 0.8522, 0.9945,
8.4941

■ 90.4496, 97.2977,
189.6346

■ 0.0000, 0.0000,
4.3204

■ 116.3768,
124.9651, 233.3876

■ 0.0000, 0.0000,
1.8027

■ 146.8379,

■ 0.0000, 0.0000,

157.4352, 283.4006

0.4298

182.1985,
195.0926, 340.0920

■ 0.0000, 0.0000,
0.0000

■ 16.0366, 17.5499,
50.1192

■ 16.0366, 17.5499,
50.1192

■ 16.0353, 17.5472,
50.1191

■ 17.1405, 19.3636,
50.4115

■ 18.5555, 21.4208,
50.7340

■ 20.3765, 23.7722,
51.0919

■ 22.6510, 26.4436,
51.4876

■ 25.4194, 29.4575,
51.9235

■ 28.7175, 32.8335,
52.4013

■ 32.5773, 36.5897,
52.9229

■ 37.0283, 40.7426,
53.4898

■ 42.0977, 45.3075,
54.1038

Harmonies

Analogous

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



12.6902, 17.5499, 43.1550



16.0366, 17.5499, 50.1192



20.1224, 17.5499, 46.4523

Triad

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



16.0366, 17.5499, 50.1192



24.5727, 17.5499, 11.2730



11.1825, 17.5499, 9.1461

Complementary

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



16.0366, 17.5499, 50.1192



22.6896, 14.5920, 1.6217

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.



13.6556, 17.5499, 5.3798



16.0366, 17.5499, 50.1192



21.4305, 17.5499, 6.2232

Square

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



16.0366, 17.5499, 50.1192



25.4774, 17.5499, 21.0392



17.3417, 17.5499, 4.5745



10.1851, 17.5499, 17.3003

Rectangle

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



16.0366, 17.5499, 50.1192



22.6761, 17.5499, 39.0167



17.3417, 17.5499, 4.5745



11.8477, 17.5499, 7.4753

Sweetspot

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



16.0373, 17.5505, 50.1197



58.6590, 65.9488, 95.8639



18.9620, 36.3582, 11.1454



11.9574, 13.5494, 20.5276



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.



16.0373, 17.5505, 50.1197



28.8223, 31.3232, 90.7531



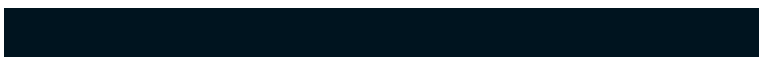
9.4983, 4.4726, 47.9400



9.5190, 10.2303, 12.1451



10.9894, 12.0906, 34.1474



0.4897, 0.5921, 1.3573

Inverse Universe

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



24.2525, 12.0974, 19.4695



43.8310, 21.8743, 34.6422



33.2766, 35.7659, 5.1507



9.7838, 9.6378, 11.2506



16.5477, 8.2502, 13.4439



0.6781, 0.3351, 0.6840

Previews

White Background



This preview shows how the XYZ color 16.0366, 17.5499, 50.1192 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 16.0366, 17.5499, 50.1192 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 16.0366, 17.5499, 50.1192

Background



This preview shows how black text looks on a background with the XYZ color 16.0366, 17.5499, 50.1192.



This preview shows how white text looks on a background with the XYZ color 16.0366, 17.5499,

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

16.0366, 17.5499, 50.1192

Protanopia

18.6722, 17.5950, 46.1281

Deuteranopia

17.9565, 17.4670, 50.5692



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

16.0366, 17.5499, 50.1192

Protanomaly

16.7579, 17.0828, 47.7615

Deuteranomaly

16.7459, 17.1889, 50.5793

Tritanomaly

13.4616, 17.3220, 34.0865

Monochromacy



Original Color

16.0366, 17.5499, 50.1192

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.6502, 12.3889, 22.2521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0366, 17.5499, 50.1192 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, 122, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 188)  
}
```

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, 122, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 188) }
```

Border

The CSS property to change the border of an element to XYZ 16.0366, 17.5499, 50.1192 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, 122, 188) }
```


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

```
.border{ border-color:rgb(0, 122, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0366, 17.5499, 50.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 188) }
```

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

```
.background{ background-color: rgb(0, 122,  
188) }
```

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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