

Converting Colors

XYZ(10.7064, 15.4473, 50.2171)

Have a look what the booklet for
XYZ(10.7064, 15.4473, 50.2171)
contains.

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Color

**XYZ(16.5380, 18.5525,
50.2863)**

Conversions

Conversions Part 1

Format	Color
Hex	007EBC
RGB	0, 126, 188
RGB Percent	0%, 49%, 74%
CMY	0.9998, 0.5059, 0.2627
CMYK	1.00, 0.33, 0.00, 0.26
HSL	200°, 100%, 37%
HSV	200°, 100%, 74%
XYZ	16.5380, 18.5525, 50.2863
YIQ	95.3940, -94.9980, -7.4300

Conversions

Conversions Part 2

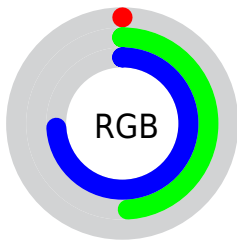
Format	Color
RYB	0, 75, 188
Decimal	32444
CIELab	50.16, -6.03, -40.53
CIELCh	50, 40.973, 261.533
Yxy	18.5525, 0.1937, 0.2173
Android (android.graphics.Color)	4278222524 (0xFF007EBC)
YUV	95.3940, 45.6548, -83.6605
Hunter-Lab	43.0726, -6.8409, -39.0689

Details

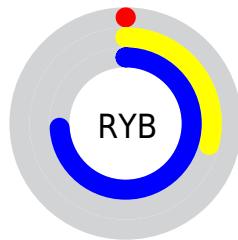
The XYZ color **16.5380, 18.5525, 50.2863** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.4646, 14.1418, 1.5469**, and the grayscale version is **10.8853, 11.4522, 12.4714**.

A 20% lighter version of the original color is **37.0179, 40.8130, 92.3129**, and **6.9570, 7.0290, 23.5443** is the 20% darker color. If you saturate the color by 10%, you get **16.5362, 18.5489, 50.2861**, and if you desaturate by 10%, it is **17.6215, 20.3252, 50.5718**.

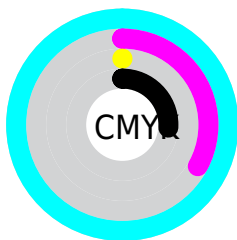
Distribution



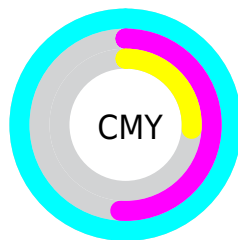
- Red (0%)
- Green (49%)
- Blue (74%)



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



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5380, 18.5525, 50.2863 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 16.5380, 18.5525, 50.2863 by changing the saturation by 10% instead.

■ 16.5380, 18.5525,
50.2863

■ 16.5380, 18.5525,
50.2863

■ 225.7043,
243.9670, 404.5516

■ 9.9989, 11.3474,
35.2682

■ 37.0797, 40.9765,
91.9996

■ 5.4605, 6.3010,
23.5843

■ 51.8129, 56.9643,
119.5318

■ 2.5574, 3.0290,
14.8162

■ 70.0083, 76.6483,
152.0725

■ 0.9243, 1.1469,
8.5453

■ 92.0312, 100.4130,
190.0402

■ 0.0000, 0.0177,
4.3531

■ 118.2468,
128.6429, 233.8534

■ 0.0000, 0.0000,
1.8210

■ 149.0207,

■ 0.0000, 0.0000,

161.7222, 283.9307

0.4417

184.7180,
200.0355, 340.6906

■ 0.0000, 0.0000,
0.0000

■ 16.5380, 18.5525,
50.2863

■ 16.5380, 18.5525,
50.2863

■ 16.5362, 18.5489,
50.2861

■ 17.6215, 20.3252,
50.5718

■ 19.0100, 22.3293,
50.8854

■ 20.7983, 24.6149,
51.2323

■ 23.0337, 27.2078,
51.6150

■ 25.7564, 30.1298,
52.0355

■ 29.0019, 33.4004,
52.4957

■ 32.8023, 37.0372,
52.9974

■ 37.1867, 41.0564,
53.5421

■ 42.1822, 45.4731,
54.1313

Harmonies

Analogous

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



13.3155, 18.5525, 42.4866



16.5380, 18.5525, 50.2863



20.5730, 18.5525, 47.9681

Triad

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



16.5380, 18.5525, 50.2863



25.6908, 18.5525, 13.2179



12.3269, 18.5525, 9.4599

Complementary

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



16.5380, 18.5525, 50.2863



22.4646, 14.1418, 1.5469

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.



14.9884, 18.5525, 5.9640



16.5380, 18.5525, 50.2863



22.7969, 18.5525, 7.5010

Square

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



16.5380, 18.5525, 50.2863



26.2704, 18.5525, 23.5780



18.7765, 18.5525, 5.4135



11.1335, 18.5525, 17.1620

Rectangle

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



16.5380, 18.5525, 50.2863



23.1686, 18.5525, 41.2693



18.7765, 18.5525, 5.4135



13.0588, 18.5525, 7.8945

Sweetspot

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



16.5387, 18.5531, 50.2868



59.0683, 66.7674, 96.0004



18.7881, 36.2887, 10.2291



12.0555, 13.7456, 20.5603



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.



16.5387, 18.5531, 50.2868



29.7351, 33.1488, 91.0574



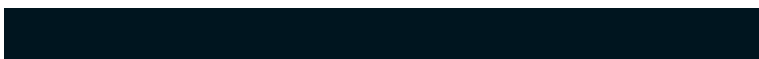
9.6643, 4.8043, 47.9953



9.5362, 10.2646, 12.1509



11.3289, 12.7695, 34.2606



0.5013, 0.6152, 1.3612

Inverse Universe

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



24.5057, 12.1988, 20.8020



44.2917, 22.0586, 37.0684



32.2197, 33.6520, 4.7986



9.7925, 9.6413, 11.2962



16.7191, 8.3188, 14.3461



0.6839, 0.3375, 0.7148

Previews

White Background



This preview shows how the XYZ color 16.5380, 18.5525, 50.2863 looks on a white 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

Black Background



This preview shows how the XYZ color 16.5380, 18.5525, 50.2863 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 16.5380, 18.5525, 50.2863

Background



This preview shows how black text looks on a background with the XYZ color 16.5380, 18.5525, 50.2863.

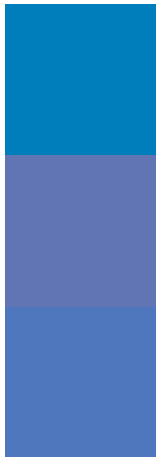


This preview shows how white text looks on a background with the XYZ color 16.5380, 18.5525,

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

16.5380, 18.5525, 50.2863

Protanopia

19.5293, 18.5593, 45.7330

Deuteranopia

19.1155, 18.5736, 51.2928



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

16.5380, 18.5525, 50.2863

Protanomaly

17.2503, 17.8760, 47.3410

Deuteranomaly

17.4602, 18.2713, 50.7506

Tritanomaly

14.2406, 18.4685, 35.6151

Monochromacy



Original Color

16.5380, 18.5525, 50.2863

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9800, 12.8537, 22.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5380, 18.5525, 50.2863 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, 126, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 188) }
```

Border

The CSS property to change the border of an element to XYZ 16.5380, 18.5525, 50.2863 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, 126, 188) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5380, 18.5525, 50.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 188) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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