

Converting Colors

XYZ(15.3732, 16.1019, 50.2713)

Have a look what the booklet for
XYZ(15.3732, 16.1019, 50.2713)
contains.

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Color

**XYZ(15.4307, 16.1649,
50.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	0074BD
RGB	0, 116, 189
RGB Percent	0%, 45%, 74%
CMY	0.9998, 0.5451, 0.2588
CMYK	1.00, 0.39, 0.00, 0.26
HSL	203°, 100%, 37%
HSV	203°, 100%, 74%
XYZ	15.4307, 16.1649, 50.4510
YIQ	89.6380, -92.5690, -1.8890

Conversions

Conversions Part 2

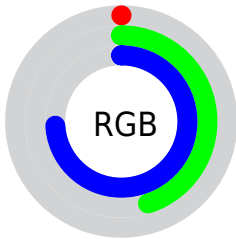
Format	Color
RYB	0, 72, 189
Decimal	29885
CIELab	47.19, 0.39, -45.81
CIELCh	47, 45.816, 270.490
Yxy	16.1649, 0.1881, 0.1970
Android (android.graphics.Color)	4278219965 (0xFF0074BD)
YUV	89.6380, 48.9855, -78.6125
Hunter-Lab	40.2056, -1.8524, -46.2547

Details

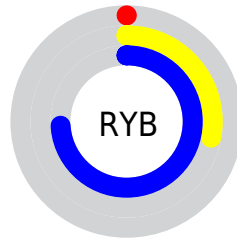
The XYZ color **15.4307, 16.1649, 50.4510** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.3717, 15.5891, 1.7783**, and the grayscale version is **9.5490, 10.0463, 10.9405**.

A 20% lighter version of the original color is **35.2533, 37.0388, 92.4799**, and **6.5013, 6.0055, 23.7382** is the 20% darker color. If you saturate the color by 10%, you get **15.4292, 16.1617, 50.4508**, and if you desaturate by 10%, it is **16.5733, 18.0530, 50.7556**.

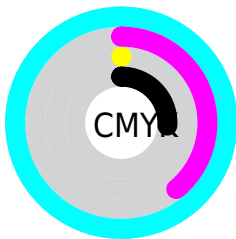
Distribution



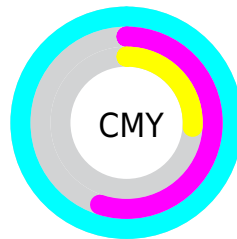
- Red (0%)
- Green (45%)
- Blue (74%)



- Red (0%)
- Yellow (28%)
- Blue (74%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (55%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4307, 16.1649, 50.4510 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 15.4307, 16.1649, 50.4510 by changing the saturation by 10% instead.

■ 15.4307, 16.1649,
50.4510

■ 15.4307, 16.1649,
50.4510

219.2956,
230.3128, 405.2125

■ 9.2105, 9.6409,
35.3982

■ 35.1725, 36.8842,
92.2459

■ 4.9369, 5.1615,
23.6838

■ 49.4248, 51.8484,
119.8251

■ 2.2447, 2.3423,
14.8892

■ 67.0852, 70.3947,
152.4168

■ 0.7661, 0.7960,
8.5959

■ 88.5190, 92.9076,
190.4396

■ 0.0000, 0.0000,
4.3854

■ 114.0916,
119.7715, 234.3121

■ 0.0000, 0.0000,
1.8390

■ 144.1683,

■ 0.0000, 0.0000,

151.3707, 284.4527

0.4535

179.1145,
188.0897, 341.2800

■ 0.0000, 0.0000,
0.0000

■ 15.4307, 16.1649,
50.4510

■ 15.4307, 16.1649,
50.4510

■ 15.4292, 16.1617,
50.4508

■ 16.5733, 18.0530,
50.7556

■ 18.0420, 20.2095,
51.0944

■ 19.9328, 22.6862,
51.4728

■ 22.2943, 25.5100,
51.8934

■ 25.1679, 28.7043,
52.3585

■ 28.5899, 32.2898,
52.8702

■ 32.5933, 36.2853,
53.4304

■ 37.2082, 40.7082,
54.0409

■ 42.4625, 45.5747,
54.7033

Harmonies

Analogous

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



11.8529, 16.1649, 44.8602



15.4307, 16.1649, 50.4510



19.6436, 16.1649, 44.5066

Triad

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



15.4307, 16.1649, 50.4510



23.0607, 16.1649, 8.5672



9.5563, 16.1649, 8.7725

Complementary

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



15.4307, 16.1649, 50.4510



23.3717, 15.5891, 1.7783

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.



11.7565, 16.1649, 4.5627



15.4307, 16.1649, 50.4510



19.5085, 16.1649, 4.4859

Square

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



15.4307, 16.1649, 50.4510



24.4945, 16.1649, 17.4115



15.2980, 16.1649, 3.4250



8.8422, 16.1649, 17.7915

Rectangle

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



15.4307, 16.1649, 50.4510



22.1560, 16.1649, 35.8445



15.2980, 16.1649, 3.4250



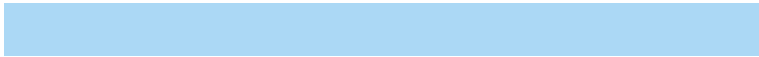
10.1251, 16.1649, 6.9164

Sweetspot

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



15.4314, 16.1654, 50.4514



57.9899, 64.6104, 95.6409



19.3835, 36.8698, 12.3073



11.7973, 13.2292, 20.4743



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.



15.4314, 16.1654, 50.4514



27.3938, 28.4662, 90.2769



9.4744, 4.2514, 48.4658



9.4906, 10.1736, 12.1357



10.4570, 11.0257, 33.9699



0.4712, 0.5551, 1.3512

Inverse Universe

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



24.1393, 12.0807, 17.5828



43.1099, 21.5859, 30.8452



34.7972, 38.4400, 5.5868



9.7695, 9.6321, 11.1752



16.2790, 8.1427, 12.0285



0.6688, 0.3314, 0.6349

Previews

White Background



This preview shows how the XYZ color 15.4307, 16.1649, 50.4510 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 15.4307, 16.1649, 50.4510 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 15.4307, 16.1649, 50.4510

Background



This preview shows how black text looks on a background with the XYZ color 15.4307, 16.1649, 50.4510.



This preview shows how white text looks on a background with the XYZ color 15.4307, 16.1649,

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

15.4307, 16.1649, 50.4510

Protanopia

17.4956, 16.1500, 46.9949

Deuteranopia

16.7207, 16.3122, 50.9825



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

15.4307, 16.1649, 50.4510

Protanomaly

15.9673, 15.8212, 48.1112

Deuteranomaly

15.9713, 16.0924, 50.9796

Tritanomaly

12.5871, 15.9747, 32.5570

Monochromacy



Original Color

15.4307, 16.1649, 50.4510

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.9151, 11.2999, 21.3972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4307, 16.1649, 50.4510 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, 116, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 189)  
}
```

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, 116, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 189) }
```

Border

The CSS property to change the border of an element to XYZ 15.4307, 16.1649, 50.4510 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, 116, 189) }
```


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

```
.border{ border-color:rgb(0, 116, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4307, 16.1649, 50.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 189) }
```

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

```
.background{ background-color: rgb(0, 116,  
189) }
```

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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