

Converting Colors

XYZ(12.0667, 14.4573, 46.4924)

Have a look what the booklet for
XYZ(12.0667, 14.4573, 46.4924)
contains.

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Color

**XYZ(14.6889, 15.8682,
46.5446)**

Conversions

Conversions Part 1

Format	Color
Hex	0074B6
RGB	0, 116, 182
RGB Percent	0%, 45%, 71%
CMY	0.9999, 0.5451, 0.2863
CMYK	1.00, 0.36, 0.00, 0.29
HSL	202°, 100%, 36%
HSV	202°, 100%, 71%
XYZ	14.6889, 15.8682, 46.5446
YIQ	88.8400, -90.3220, -4.0660

Conversions

Conversions Part 2

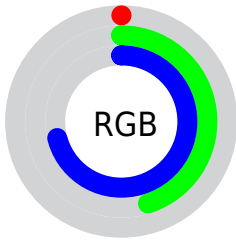
Format	Color
RYB	0, 71, 182
Decimal	29878
CIELab	46.80, -2.37, -42.38
CIELCh	47, 42.449, 266.794
Yxy	15.8682, 0.1905, 0.2058
Android (android.graphics.Color)	4278219958 (0xFF0074B6)
YUV	88.8400, 45.9279, -77.9127
Hunter-Lab	39.8349, -3.8902, -41.3922

Details

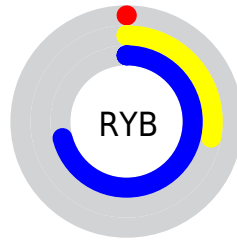
The XYZ color **14.6889, 15.8682, 46.5446** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.2421, 13.8459, 1.5540**, and the grayscale version is **9.3789, 9.8674, 10.7456**.

A 20% lighter version of the original color is **33.9494, 36.5055, 86.1459**, and **6.0296, 5.7192, 21.5550** is the 20% darker color. If you saturate the color by 10%, you get **14.6875, 15.8654, 46.5445**, and if you desaturate by 10%, it is **15.7312, 17.5758, 46.8196**.

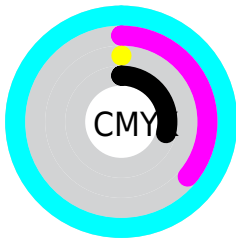
Distribution



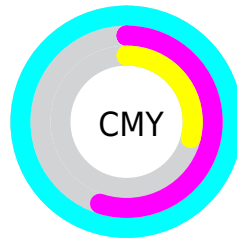
- Red (0%)
- Green (45%)
- Blue (71%)



- Red (0%)
- Yellow (28%)
- Blue (71%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6889, 15.8682, 46.5446 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 14.6889, 15.8682, 46.5446 by changing the saturation by 10% instead.

■ 14.6889, 15.8682,
46.5446

■ 14.6889, 15.8682,
46.5446

214.9013,
228.5627, 389.3348

■ 8.6862, 9.4309,
32.3240

■ 33.8826, 36.3692,
86.3763

■ 4.5926, 5.0233,
21.3422

■ 47.8044, 51.2018,
112.8245

■ 2.0425, 2.2610,
13.1807

■ 65.0966, 69.6016,
144.1857

■ 0.6577, 0.7529,
7.4209

■ 86.1246, 91.9530,
180.8783

■ 0.0000, 0.0000,
3.6443

■ 111.2537,
118.6404, 223.3211

■ 0.0000, 0.0000,
1.4323

■ 140.8493,

■ 0.0000, 0.0000,

150.0483, 271.9323

0.1667

175.2767,
186.5609, 327.1308

■ 0.0000, 0.0000,
0.0000

■ 14.6889, 15.8682,
46.5446

■ 14.6889, 15.8682,
46.5446

■ 14.6875, 15.8654,
46.5445

■ 15.7312, 17.5758,
46.8196

■ 17.0636, 19.5146,
47.1236

■ 18.7760, 21.7329,
47.4615

■ 20.9124, 24.2546,
47.8357

■ 23.5102, 27.1007,
48.2481

■ 26.6024, 30.2895,
48.7006

■ 30.2186, 33.8378,
49.1949

■ 34.3861, 37.7610,
49.7325

■ 39.1302, 42.0734,
50.3149

Harmonies

Analogous

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



11.5206, 15.8682, 40.4674



14.6889, 15.8682, 46.5446



18.5122, 15.8682, 42.5049

Triad

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



14.6889, 15.8682, 46.5446



22.3438, 15.8682, 9.6410



9.8903, 15.8682, 8.3674

Complementary

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



14.6889, 15.8682, 46.5446



21.2421, 13.8459, 1.5540

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.



12.1045, 15.8682, 4.7460



14.6889, 15.8682, 46.5446



19.3113, 15.8682, 5.2426

Square

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



14.6889, 15.8682, 46.5446



23.3337, 15.8682, 18.4393



15.4826, 15.8682, 3.8943



9.0492, 15.8682, 16.1661

Rectangle

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



14.6889, 15.8682, 46.5446



20.8678, 15.8682, 35.2579



15.4826, 15.8682, 3.8943



10.4790, 15.8682, 6.7656

Sweetspot

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



14.6895, 15.8687, 46.5450



54.4151, 60.9910, 89.1402



17.6461, 33.8234, 10.4079



11.3883, 12.8590, 19.6034



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.6895, 15.8687, 46.5450



26.3962, 28.2996, 84.3069



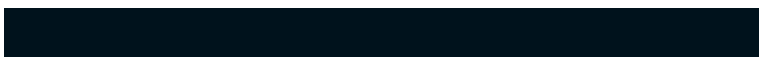
8.8436, 4.1768, 44.5964



8.9853, 9.6479, 11.4681



10.4370, 11.3336, 32.8906



0.4245, 0.5127, 1.1783

Inverse Universe

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



22.4444, 11.2069, 17.5035



40.5720, 20.2691, 31.1093



30.9642, 33.2902, 4.7947



9.2389, 9.1059, 10.6057



15.8818, 7.9265, 12.5301



0.5884, 0.2908, 0.5921

Previews

White Background



This preview shows how the XYZ color 14.6889, 15.8682, 46.5446 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 14.6889, 15.8682, 46.5446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

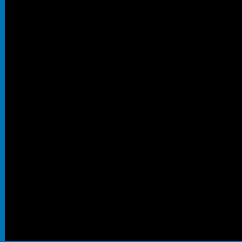
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6889, 15.8682, 46.5446

Background



This preview shows how black text looks on a background with the XYZ color 14.6889, 15.8682, 46.5446.



This preview shows how white text looks on a background with the XYZ color 14.6889, 15.8682,

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

14.6889, 15.8682, 46.5446

Protanopia

16.8467, 15.7516, 42.7099

Deuteranopia

16.2816, 15.8445, 46.9999



Tritanopia

11.2478, 15.8319, 24.2928

Trichromacy



Original Color

14.6889, 15.8682, 46.5446

Protanomaly

15.2416, 15.3675, 44.2824

Deuteranomaly

15.3274, 15.6803, 47.0185

Tritanomaly

12.2215, 15.6350, 31.2279

Monochromacy



Original Color

14.6889, 15.8682, 46.5446

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.7243, 11.2236, 20.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6889, 15.8682, 46.5446 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 182) }
```

Border

The CSS property to change the border of an element to XYZ 14.6889, 15.8682, 46.5446 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, 182) }
```


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

```
.border{ border-color:rgb(0, 116, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6889, 15.8682, 46.5446 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, 182) }
```

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

```
.background{ background-color: rgb(0, 116,  
182) }
```

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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