

Converting Colors

XYZ(15.0233, 15.2687, 50.3066)

Have a look what the booklet for
XYZ(15.0233, 15.2687, 50.3066)
contains.

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Color

**XYZ(15.0295, 15.2883,
50.3029)**

Conversions

Conversions Part 1

Format	Color
Hex	0470BD
RGB	4, 112, 189
RGB Percent	2%, 44%, 74%
CMY	0.9842, 0.5608, 0.2588
CMYK	0.98, 0.41, 0.00, 0.26
HSL	205°, 96%, 38%
HSV	205°, 98%, 74%
XYZ	15.0295, 15.2883, 50.3029
YIQ	88.4860, -89.0850, 1.0510

Conversions

Conversions Part 2

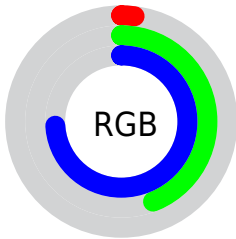
Format	Color
RYB	4, 72, 189
Decimal	291005
CIELab	46.03, 3.02, -47.67
CIElCh	46, 47.765, 273.628
Yxy	15.2883, 0.1864, 0.1896
Android (android.graphics.Color)	4278481085 (0xFF0470BD)
YUV	88.4860, 49.5534, -74.0942
Hunter-Lab	39.1003, 0.1870, -48.9070

Details

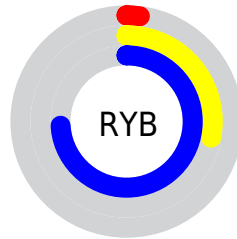
The XYZ color **15.0295, 15.2883, 50.3029** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.9533, 16.7173, 2.0801**, and the grayscale version is **9.2932, 9.7772, 10.6474**.

A 20% lighter version of the original color is **34.4511, 35.2811, 92.1829**, and **6.2635, 5.5299, 23.6589** is the 20% darker color. If you saturate the color by 10%, you get **14.7962, 14.8957, 50.2398**, and if you desaturate by 10%, it is **16.2379, 17.2569, 50.6196**.

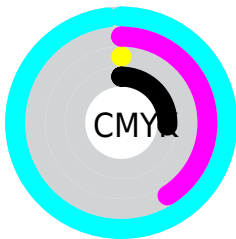
Distribution



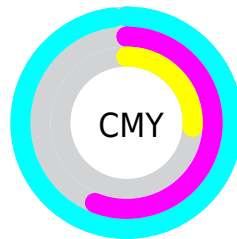
- Red (2%)
- Green (44%)
- Blue (74%)



- Red (2%)
- Yellow (28%)
- Blue (74%)



- Cyan (98%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (98%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0295, 15.2883, 50.3029 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 15.0295, 15.2883, 50.3029 by changing the saturation by 10% instead.

■ 15.0295, 15.2883,
50.3029

■ 15.0295, 15.2883,
50.3029

216.9295,
225.1047, 404.6182

■ 8.9265, 9.0220,
35.2813

■ 34.4762, 35.3582,
92.0244

■ 4.7500, 4.7555,
23.5943

■ 48.5506, 49.9305,
119.5614

■ 2.1346, 2.1045,
14.8236

■ 66.0128, 68.0402,
152.1072

■ 0.7079, 0.6672,
8.5504

■ 87.2283, 90.0718,
190.0805

■ 0.0000, 0.0000,
4.3563

■ 112.5624,
116.4097, 233.8996

■ 0.0000, 0.0000,
1.8228

■ 142.3804,

■ 0.0000, 0.0000,

147.4382, 283.9833

0.4429

177.0476,
183.5417, 340.7500

■ 0.0000, 0.0000,
0.0000

■ 15.0295, 15.2883,
50.3029

■ 15.0295, 15.2883,
50.3029

■ 14.7962, 14.8957,
50.2398

■ 16.2379, 17.2569,
50.6196

■ 17.8183, 19.5326,
50.9755

■ 19.8420, 22.1549,
51.3750

■ 22.3562, 25.1507,
51.8207

■ 25.4015, 28.5434,
52.3151

■ 29.0137, 32.3540,
52.8602

■ 33.2255, 36.6015,
53.4581

■ 38.0667, 41.3038,
54.1106

■ 43.5652, 46.4774,
54.8193

Harmonies

Analogous

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



11.3389, 15.2883, 45.6930



15.0295, 15.2883, 50.3029



19.2850, 15.2883, 42.9814

Triad

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



15.0295, 15.2883, 50.3029



22.0284, 15.2883, 7.0974



8.6107, 15.2883, 8.5743

Complementary

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



15.0295, 15.2883, 50.3029



23.9533, 16.7173, 2.0801

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.



10.6306, 15.2883, 4.1250



15.0295, 15.2883, 50.3029



18.2723, 15.2883, 3.5928

Square

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



15.0295, 15.2883, 50.3029



23.7718, 15.2883, 15.2744



14.0438, 15.2883, 2.8343



8.0620, 15.2883, 18.0981

Rectangle

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



15.0295, 15.2883, 50.3029



21.7473, 15.2883, 33.6864



14.0438, 15.2883, 2.8343



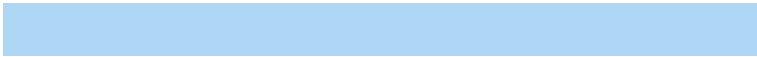
9.1190, 15.2883, 6.6133

Sweetspot

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



15.0301, 15.2888, 50.3033



58.2271, 64.2838, 95.5653



19.6241, 36.9718, 13.3134



11.8164, 13.1165, 20.4515



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.



15.0301, 15.2888, 50.3033



26.2574, 26.1933, 89.8981



9.5330, 4.2944, 48.4709



9.4666, 10.1256, 12.1277



10.0321, 10.1759, 33.8283



0.4562, 0.5250, 1.3461

Inverse Universe

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



23.9549, 12.0763, 16.3980



42.5363, 21.3565, 27.8246



35.4779, 39.7664, 5.9216



9.7574, 9.6273, 11.1114



16.0645, 8.0570, 10.8992



0.6612, 0.3284, 0.5949

Previews

White Background



This preview shows how the XYZ color 15.0295, 15.2883, 50.3029 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 15.0295, 15.2883, 50.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

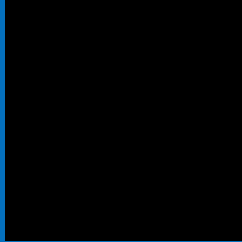
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0295, 15.2883, 50.3029

Background



This preview shows how black text looks on a background with the XYZ color 15.0295, 15.2883, 50.3029.



This preview shows how white text looks on a background with the XYZ color 15.0295, 15.2883,

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

15.0295, 15.2883, 50.3029

Protanopia

16.6818, 15.2635, 46.8667

Deuteranopia

15.7161, 15.3182, 50.2725



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

15.0295, 15.2883, 50.3029

Protanomaly

15.4349, 14.9060, 47.9626

Deuteranomaly

15.3486, 15.2899, 50.2864

Tritanomaly

12.0769, 15.1977, 31.5751

Monochromacy



Original Color

15.0295, 15.2883, 50.3029

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.6637, 10.8999, 20.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0295, 15.2883, 50.3029 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(4, 112, 189)` looks like.

```
.text, #text, p{  
    color:rgb(4, 112, 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(4, 112, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 112, 189) }
```

Border

The CSS property to change the border of an element to XYZ 15.0295, 15.2883, 50.3029 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(4, 112, 189) }
```


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

```
.border{ border-color:rgb(4, 112, 189) }
```

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

Here you see how a box with a 4 pixel rgb(4, 112, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 112, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 112, 189);  
box-shadow:4px 4px 4px 4px rgb(4, 112,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0295, 15.2883, 50.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 112, 189) }
```

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

```
.background{ background-color: rgb(4, 112,  
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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