

Converting Colors

XYZ(11.9284, 15.9596, 31.0325)

Have a look what the booklet for
XYZ(11.9284, 15.9596, 31.0325)
contains.

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Color

**XYZ(12.5078, 16.3358,
30.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	007B95
RGB	0, 123, 149
RGB Percent	0%, 48%, 58%
CMY	0.9999, 0.5176, 0.4157
CMYK	1.00, 0.17, 0.00, 0.42
HSL	190°, 100%, 29%
HSV	190°, 100%, 58%
XYZ	12.5078, 16.3358, 30.9277
YIQ	89.1870, -81.6540, -17.9900

Conversions

Conversions Part 2

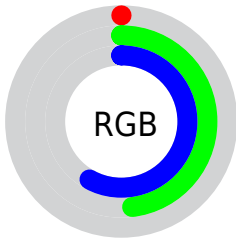
Format	Color
RYB	0, 67, 149
Decimal	31637
CIELab	47.41, -19.01, -22.14
CIElCh	47, 29.178, 229.355
Yxy	16.3358, 0.2093, 0.2733
Android (android.graphics.Color)	4278221717 (0xFF007B95)
YUV	89.1870, 29.4878, -78.2170
Hunter-Lab	40.4176, -15.4913, -17.0767

Details

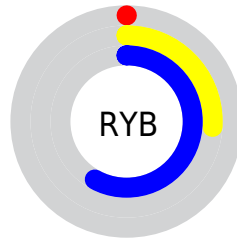
The XYZ color **12.5078, 16.3358, 30.9277** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.7647, 7.1297, 0.7042**, and the grayscale version is **9.4885, 9.9827, 10.8711**.

A 20% lighter version of the original color is **30.0511, 37.2938, 62.1145**, and **4.6534, 5.7794, 12.4256** is the 20% darker color. If you saturate the color by 10%, you get **12.5074, 16.3350, 30.9279**, and if you desaturate by 10%, it is **13.0307, 17.0910, 31.0462**.

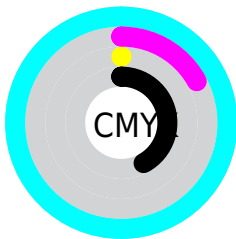
Distribution



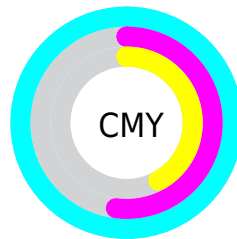
- Red (0%)
- Green (48%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (52%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5078, 16.3358, 30.9277 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 12.5078, 16.3358, 30.9277 by changing the saturation by 10% instead.

12.5078, 16.3358,
30.9277

12.5078, 16.3358,
30.9277

201.4407,
231.3151, 320.5460

7.1652, 9.7621,
20.2858

30.0255, 37.1802,
62.2045

3.6128, 5.2415,
12.4168

42.9313, 52.2197,
83.6764

1.4855, 2.3896,
6.9022

59.0889, 70.8498,
109.5954

0.3160, 0.8206,
3.3235

78.8636, 93.4551,
140.3801

0.0000, 0.0000,
1.2621

102.6208,
120.4199, 176.4490

0.0000, 0.0000,
0.0304

130.7258,

0.0000, 0.0000,

152.1286, 218.2205

0.0000

163.5440,
188.9655, 266.1134

■ 12.5078, 16.3358,
30.9277

■ 12.5078, 16.3358,
30.9277

■ 12.5074, 16.3350,
30.9279

■ 13.0307, 17.0910,
31.0462

■ 13.7009, 17.9345,
31.1737

■ 14.5849, 18.9013,
31.3137

■ 15.7088, 20.0047,
31.4675

■ 17.0944, 21.2561,
31.6360

■ 18.7613, 22.6658,
31.8202

■ 20.7270, 24.2428,
32.0210

■ 23.0077, 25.9955,
32.2391

■ 25.6183, 27.9318,
32.4753

Harmonies

Analogous

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



11.2919, 16.3358, 22.9362



12.5078, 16.3358, 30.9277



14.6262, 16.3358, 35.7741

Triad

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



12.5078, 16.3358, 30.9277



20.9441, 16.3358, 20.5493



13.9364, 16.3358, 7.4502

Complementary

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



12.5078, 16.3358, 30.9277



12.7647, 7.1297, 0.7042

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.



16.4634, 16.3358, 7.1412



12.5078, 16.3358, 30.9277



20.7064, 16.3358, 13.4725

Square

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



12.5078, 16.3358, 30.9277



19.6134, 16.3358, 28.7687



18.9960, 16.3358, 9.0220



12.0512, 16.3358, 10.0300

Rectangle

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



12.5078, 16.3358, 30.9277



16.3491, 16.3358, 35.8629



18.9960, 16.3358, 9.0220



14.7324, 16.3358, 7.1110

Sweetspot

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



12.5083, 16.3364, 30.9281



36.8819, 43.2289, 57.3214



10.9218, 21.5649, 4.4984



7.8656, 9.3359, 12.6723



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.5083, 16.3364, 30.9281



22.2820, 29.0197, 55.3482



6.5524, 4.4245, 28.9428



5.8789, 6.3918, 7.3936



10.5457, 13.7861, 26.0362



0.1473, 0.2051, 0.3247

Inverse Universe

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



15.9701, 7.8203, 19.4071



28.5400, 13.9802, 34.4414



16.8891, 15.3785, 2.0790



5.9923, 5.8920, 7.0657



13.4501, 6.5851, 16.3828



0.1738, 0.0843, 0.2489

Previews

White Background



This preview shows how the XYZ color 12.5078, 16.3358, 30.9277 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 12.5078, 16.3358, 30.9277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

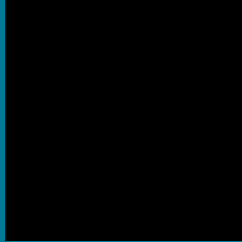
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5078, 16.3358, 30.9277

Background



This preview shows how black text looks on a background with the XYZ color 12.5078, 16.3358, 30.9277.



This preview shows how white text looks on a background with the XYZ color 12.5078, 16.3358,

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

12.5078, 16.3358, 30.9277

Protanopia

16.2438, 16.2656, 27.0944

Deuteranopia

16.7188, 16.4026, 31.9906



Tritanopia

11.7068, 16.4165, 25.4734

Trichromacy



Original Color

12.5078, 16.3358, 30.9277

Protanomaly

13.4034, 15.4379, 28.2600

Deuteranomaly

13.8310, 15.5858, 31.5575

Tritanomaly

11.9413, 16.3088, 27.3295

Monochromacy



Original Color

12.5078, 16.3358, 30.9277

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.2103, 11.3249, 16.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5078, 16.3358, 30.9277 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, 123, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 149)  
}
```

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, 123, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 149) }
```

Border

The CSS property to change the border of an element to XYZ 12.5078, 16.3358, 30.9277 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, 123, 149) }
```


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

```
.border{ border-color:rgb(0, 123, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5078, 16.3358, 30.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 149) }
```

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

```
.background{ background-color: rgb(0, 123,  
149) }
```

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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