

Converting Colors

XYZ(4.7907, 12.2693, 30.2630)

Have a look what the booklet for
XYZ(4.7907, 12.2693, 30.2630)
contains.

XYZ(12.3048, 16.0572, 30.4678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.3048, 16.0572,
30.4678)**

Conversions

Conversions Part 1

Format	Color
Hex	007A94
RGB	0, 122, 148
RGB Percent	0%, 48%, 58%
CMY	0.9999, 0.5216, 0.4196
CMYK	1.00, 0.18, 0.00, 0.42
HSL	191°, 100%, 29%
HSV	191°, 100%, 58%
XYZ	12.3048, 16.0572, 30.4678
YIQ	88.4860, -81.0580, -17.7780

Conversions

Conversions Part 2

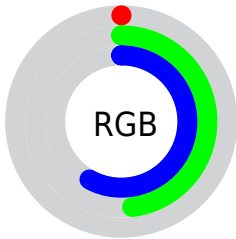
Format	Color
RYB	0, 67, 148
Decimal	31380
CIELab	47.05, -18.83, -22.11
CIELCh	47, 29.038, 229.585
Yxy	16.0572, 0.2092, 0.2729
Android (android.graphics.Color)	4278221460 (0xFF007A94)
YUV	88.4860, 29.3404, -77.6022
Hunter-Lab	40.0714, -15.3127, -17.0304

Details

The XYZ color **12.3048, 16.0572, 30.4678** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **12.5828, 7.0356, 0.6953**, and the grayscale version is **9.3340, 9.8201, 10.6941**.

A 20% lighter version of the original color is **29.7370, 36.8555, 61.4236**, and **4.5402, 5.6282, 12.1563** is the 20% darker color. If you saturate the color by 10%, you get **12.3047, 16.0568, 30.4681**, and if you desaturate by 10%, it is **12.8227, 16.8048, 30.5851**.

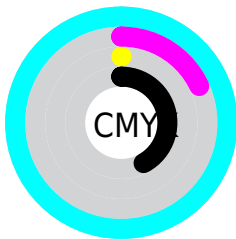
Distribution



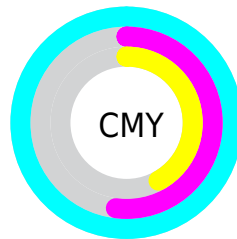
- Red (0%)
- Green (48%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (42%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3048, 16.0572, 30.4678 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 12.3048, 16.0572, 30.4678 by changing the saturation by 10% instead.

■ 12.3048, 16.0572,
30.4678

■ 12.3048, 16.0572,
30.4678

■ 200.1418,
229.6790, 318.3538

■ 7.0253, 9.5646,
19.9389

■ 29.6611, 36.6975,
61.4709

■ 3.5244, 5.1113,
12.1670

■ 42.4686, 51.6140,
82.7822

■ 1.4368, 2.3127,
6.7336

■ 58.5161, 70.1073,
108.5247

■ 0.2822, 0.7804,
3.2201

■ 78.1690, 92.5617,
139.1169

■ 0.0000, 0.0000,
1.2081

■ 101.7927,
119.3617, 174.9773

■ 0.0000, 0.0000,
0.0000

■ 129.7525,

150.8917, 216.5246

162.4137,
187.5360, 264.1773

■ 12.3048, 16.0572,
30.4678

■ 12.3048, 16.0572,
30.4678

■ 12.3047, 16.0568,
30.4681

■ 12.8227, 16.8048,
30.5851

■ 13.4852, 17.6395,
30.7113

■ 14.3585, 18.5957,
30.8499

■ 15.4680, 19.6866,
31.0019

■ 16.8352, 20.9235,
31.1686

■ 18.4795, 22.3163,
31.3508

■ 20.4180, 23.8741,
31.5493

■ 22.6666, 25.6051,
31.7649

■ 25.2401, 27.5170,
31.9983

Harmonies

Analogous

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



11.1011, 16.0572, 22.6132



12.3048, 16.0572, 30.4678



14.3945, 16.0572, 35.2012

Triad

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



12.3048, 16.0572, 30.4678



20.5969, 16.0572, 20.1407



13.6800, 16.0572, 7.3266

Complementary

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



12.3048, 16.0572, 30.4678



12.5828, 7.0356, 0.6953

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.



16.1635, 16.0572, 7.0067



12.3048, 16.0572, 30.4678



20.3507, 16.0572, 13.1950

Square

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



12.3048, 16.0572, 30.4678



19.2979, 16.0572, 28.2311



18.6584, 16.0572, 8.8385



11.8319, 16.0572, 9.8823

Rectangle

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



12.3048, 16.0572, 30.4678



16.0911, 16.0572, 35.2574



18.6584, 16.0572, 8.8385



14.4617, 16.0572, 6.9876

Sweetspot

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



12.3053, 16.0578, 30.4682



35.8015, 41.9475, 55.6443



10.7623, 21.2490, 4.4361



7.8622, 9.3290, 12.6711



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.



12.3053, 16.0578, 30.4682



21.5986, 28.1068, 53.7214



6.4584, 4.3639, 28.5192



5.8784, 6.3907, 7.3934



10.5277, 13.7501, 26.0302



0.1471, 0.2049, 0.3247

Inverse Universe

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



15.7260, 7.7016, 19.0706



27.6902, 13.5654, 33.3486



16.6439, 15.1579, 2.0491



5.9920, 5.8919, 7.0642



13.4410, 6.5814, 16.3349



0.1737, 0.0842, 0.2485

Previews

White Background



This preview shows how the XYZ color 12.3048, 16.0572, 30.4678 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 12.3048, 16.0572, 30.4678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

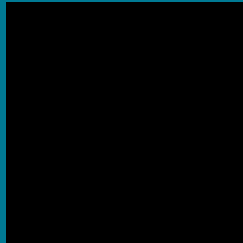
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3048, 16.0572, 30.4678

Background



This preview shows how black text looks on a background with the XYZ color 12.3048, 16.0572, 30.4678.

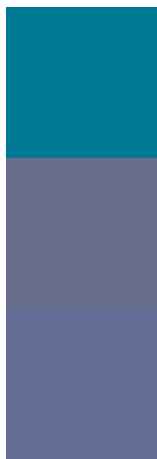


This preview shows how white text looks on a background with the XYZ color 12.3048, 16.0572,

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

12.3048, 16.0572, 30.4678

Protanopia

15.9451, 15.9590, 26.6661

Deuteranopia

16.4174, 16.0956, 31.5196



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

12.3048, 16.0572, 30.4678

Protanomaly

13.1466, 15.1459, 27.8217

Deuteranomaly

13.6367, 15.3266, 31.0938

Tritanomaly

11.6704, 16.0009, 26.5181

Monochromacy



Original Color

12.3048, 16.0572, 30.4678

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.0025, 11.0809, 16.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3048, 16.0572, 30.4678 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, 122, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 148)  
}
```

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, 122, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.3048, 16.0572, 30.4678 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, 122, 148) }
```


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

```
.border{ border-color:rgb(0, 122, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3048, 16.0572, 30.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 148) }
```

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

```
.background{ background-color: rgb(0, 122,  
148) }
```

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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