

Converting Colors

XYZ(6.1425, 12.6075, 30.1800)

Have a look what the booklet for
XYZ(6.1425, 12.6075, 30.1800)
contains.

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Color

**XYZ(12.0618, 15.5711,
30.3868)**

Conversions

Conversions Part 1

Format	Color
Hex	007894
RGB	0, 120, 148
RGB Percent	0%, 47%, 58%
CMY	0.9999, 0.5294, 0.4196
CMYK	1.00, 0.19, 0.00, 0.42
HSL	191°, 100%, 29%
HSV	191°, 100%, 58%
XYZ	12.0618, 15.5711, 30.3868
YIQ	87.3120, -80.5080, -16.7320

Conversions

Conversions Part 2

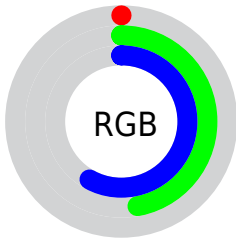
Format	Color
RYB	0, 66, 148
Decimal	30868
CIELab	46.41, -17.73, -23.10
CIELCh	46, 29.122, 232.491
Yxy	15.5711, 0.2079, 0.2684
Android (android.graphics.Color)	4278220948 (0xFF007894)
YUV	87.3120, 29.9192, -76.5726
Hunter-Lab	39.4602, -14.4934, -18.0348

Details

The XYZ color **12.0618, 15.5711, 30.3868** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.6288, 7.1276, 0.7108**, and the grayscale version is **9.0780, 9.5507, 10.4007**.

A 20% lighter version of the original color is **29.1595, 35.7006, 61.2312**, and **4.4109, 5.3695, 12.1132** is the 20% darker color. If you saturate the color by 10%, you get **12.0615, 15.5704, 30.3870**, and if you desaturate by 10%, it is **12.5979, 16.3551, 30.5102**.

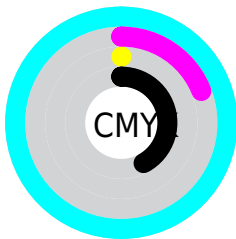
Distribution



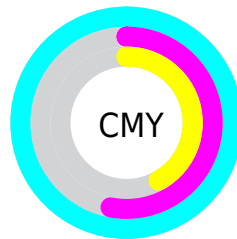
- Red (0%)
- Green (47%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (53%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0618, 15.5711, 30.3868 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 12.0618, 15.5711, 30.3868 by changing the saturation by 10% instead.

12.0618, 15.5711,
30.3868

12.0618, 15.5711,
30.3868

198.5756,
226.7974, 317.9665

6.8583, 9.2212,
19.8778

29.2235, 35.8520,
61.3416

3.4192, 4.8857,
12.1231

41.9124, 50.5517,
82.6244

1.3791, 2.1804,
6.7040

57.8271, 68.8036,
108.3357

0.2413, 0.7093,
3.2021

77.3330, 90.9918,
138.8938

0.0000, 0.0000,
1.1987

100.7954,
117.5010, 174.7175

0.0000, 0.0000,
0.0000

128.5798,

148.7153, 216.2251

161.0514,
185.0193, 263.8353

■ 12.0618, 15.5711,
30.3868

■ 12.0618, 15.5711,
30.3868

■ 12.0615, 15.5704,
30.3870

■ 12.5979, 16.3551,
30.5102

■ 13.2800, 17.2288,
30.6429

■ 14.1742, 18.2267,
30.7884

■ 15.3059, 19.3620,
30.9479

■ 16.6968, 20.6461,
31.1224

■ 18.3661, 22.0889,
31.3129

■ 20.3311, 23.6995,
31.5202

■ 22.6076, 25.4861,
31.7451

■ 25.2104, 27.4565,
31.9882

Harmonies

Analogous

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



10.7881, 15.5711, 22.7845



12.0618, 15.5711, 30.3868



14.1806, 15.5711, 34.5922

Triad

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



12.0618, 15.5711, 30.3868



20.0952, 15.5711, 18.8176



13.0362, 15.5711, 7.1507

Complementary

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



12.0618, 15.5711, 30.3868



12.6288, 7.1276, 0.7108

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.



15.4369, 15.5711, 6.6408



12.0618, 15.5711, 30.3868



19.7001, 15.5711, 12.2145

Square

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



12.0618, 15.5711, 30.3868



18.9497, 15.5711, 26.7935



17.9238, 15.5711, 8.2109



11.3049, 15.5711, 9.8777

Rectangle

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



12.0618, 15.5711, 30.3868



15.8641, 15.5711, 34.2590



17.9238, 15.5711, 8.2109



13.7844, 15.5711, 6.7527

Sweetspot

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



12.0623, 15.5716, 30.3872



35.6440, 41.6325, 55.5918



10.7899, 21.2601, 4.5811



7.8221, 9.2488, 12.6578



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.



12.0623, 15.5716, 30.3872



21.1634, 27.2363, 53.5763



6.3575, 4.1620, 28.4856



5.8718, 6.3776, 7.3913



10.3209, 13.3365, 25.9613



0.1456, 0.2019, 0.3242

Inverse Universe

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



15.6034, 7.6526, 18.4245



27.4705, 13.4775, 32.1917



16.8804, 15.6309, 2.1280



5.9887, 5.8906, 7.0469



13.3366, 6.5397, 15.7853



0.1730, 0.0839, 0.2446

Previews

White Background



This preview shows how the XYZ color 12.0618, 15.5711, 30.3868 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 12.0618, 15.5711, 30.3868 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 12.0618, 15.5711, 30.3868

Background



This preview shows how black text looks on a background with the XYZ color 12.0618, 15.5711, 30.3868.

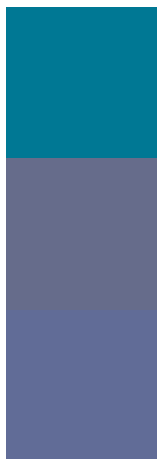


This preview shows how white text looks on a background with the XYZ color 12.0618, 15.5711,

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

12.0618, 15.5711, 30.3868

Protanopia

15.5023, 15.4140, 26.5842

Deuteranopia

15.8782, 15.5009, 31.4333



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

12.0618, 15.5711, 30.3868

Protanomaly

12.8566, 14.6652, 27.7442

Deuteranomaly

13.2858, 14.8145, 31.0134

Tritanomaly

11.3527, 15.4809, 26.0567

Monochromacy



Original Color

12.0618, 15.5711, 30.3868

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.7977, 10.8400, 16.0966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0618, 15.5711, 30.3868 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, 120, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 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, 120, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.0618, 15.5711, 30.3868 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, 120, 148) }
```


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

```
.border{ border-color:rgb(0, 120, 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, 120, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0618, 15.5711, 30.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 148) }
```

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

```
.background{ background-color: rgb(0, 120,  
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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