

Converting Colors

XYZ(12.0262, 15.8788, 14.4391)

Have a look what the booklet for
XYZ(12.0262, 15.8788, 14.4391)
contains.

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Color

**XYZ(12.0773, 15.9308,
14.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7864
RGB	77, 120, 100
RGB Percent	30%, 47%, 39%
CMY	0.6980, 0.5294, 0.6078
CMYK	0.36, 0.00, 0.17, 0.53
HSL	152°, 22%, 39%
HSV	152°, 36%, 47%
XYZ	12.0773, 15.9308, 14.4950
YIQ	104.8630, -19.2080, -15.3360

Conversions

Conversions Part 2

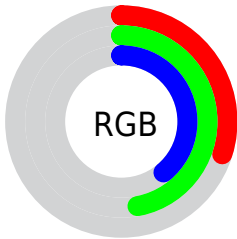
Format	Color
RYB	77, 105, 120
Decimal	5077092
CIELab	46.88, -19.68, 6.30
CIELCh	47, 20.663, 162.252
Yxy	15.9308, 0.2842, 0.3748
Android (android.graphics.Color)	4283267172 (0xFF4D7864)
YUV	104.8630, -2.3975, -24.4359
Hunter-Lab	39.9134, -15.8366, 6.4076

Details

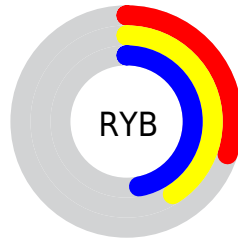
The XYZ color **12.0773, 15.9308, 14.4950** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5578, 10.1643, 12.6100**, and the grayscale version is **13.4005, 14.0984, 15.3532**.

A 20% lighter version of the original color is **29.4316, 36.7107, 34.8128**, and **3.4025, 5.0247, 4.1587** is the 20% darker color. If you saturate the color by 10%, you get **10.9361, 15.3731, 13.0795**, and if you desaturate by 10%, it is **13.4166, 16.5894, 16.0171**.

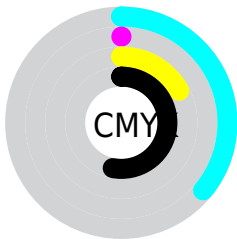
Distribution



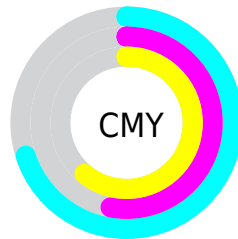
- Red (30%)
- Green (47%)
- Blue (39%)



- Red (30%)
- Yellow (41%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (53%)



- Cyan (70%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0773, 15.9308, 14.4950 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 12.0773, 15.9308, 14.4950 by changing the saturation by 10% instead.

■ 12.0773, 15.9308,
14.4950

■ 12.0773, 15.9308,
14.4950

198.6758,
228.9330, 231.8234

■ 6.8689, 9.4752,
8.3231

■ 29.2514, 36.4780,
34.6945

■ 3.4259, 5.0524,
4.2116

■ 41.9479, 51.3384,
49.5591

■ 1.3828, 2.2780,
1.7422

■ 57.8711, 69.7693,
68.1584

■ 0.2439, 0.7621,
0.3894

■ 77.3865, 92.1549,
90.9108

■ 0.0000, 0.0000,
0.0000

■ 100.8592,
118.8796, 118.2350

128.6548,

150.3280, 150.5495

161.1386,
186.8843, 188.2728

■ 12.0773, 15.9308,
14.4950

■ 12.0773, 15.9308,
14.4950

■ 10.9361, 15.3731,
13.0795

■ 13.4166, 16.5894,
16.0171

■ 9.9814, 14.9089,
11.7671

■ 14.9621, 17.3516,
17.6471

■ 9.2025, 14.5334,
10.5557

■ 16.7231, 18.2227,
19.3875

■ 8.5869, 14.2401,
9.4426

■ 18.7078, 19.2069,
21.2404

■ 8.1206, 14.0217,
8.4251

■ 20.9241, 20.3082,
23.2080

■ 7.7778, 13.8652,
7.4998

■ 23.3794, 21.5304,
25.2923

■ 7.6474, 13.8058,
7.1398

■ 26.0809, 22.8771,
27.4953

■ 29.0353, 24.3518,
29.8189

■ 32.2493, 25.9579,
32.2649

Harmonies

Analogous

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



12.9306, 15.9308, 10.9919



12.0773, 15.9308, 14.4950



12.0035, 15.9308, 19.5368

Triad

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



12.0773, 15.9308, 14.4950



15.8886, 15.9308, 28.9547



17.8523, 15.9308, 11.4955

Complementary

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



12.0773, 15.9308, 14.4950



12.5578, 10.1643, 12.6100

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.



18.7842, 15.9308, 15.3253



12.0773, 15.9308, 14.4950



17.5916, 15.9308, 25.7711

Square

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



12.0773, 15.9308, 14.4950



14.1105, 15.9308, 28.6097



18.6851, 15.9308, 20.5481



16.2221, 15.9308, 9.5111

Rectangle

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



12.0773, 15.9308, 14.4950



12.3979, 15.9308, 23.1949



18.6851, 15.9308, 20.5481



18.2632, 15.9308, 12.5735

Sweetspot

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



12.0777, 15.9315, 14.4954



27.6802, 31.1922, 32.4094



12.9934, 16.5145, 9.5243



6.4829, 7.3542, 7.6042



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.0777, 15.9315, 14.4954



19.5666, 27.1998, 23.4333



12.9966, 16.0252, 20.1782



4.0321, 4.4825, 4.7030



8.3353, 15.0578, 7.7508



39.3269, 71.6538, 34.6890

Inverse Universe

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



12.5578, 10.1643, 12.6100



20.5443, 15.4626, 19.5996



11.8410, 10.0399, 8.3353



4.0687, 4.0432, 4.5592



9.2169, 4.6629, 4.4331



43.5439, 22.0739, 18.9263

Previews

White Background



This preview shows how the XYZ color 12.0773, 15.9308, 14.4950 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 12.0773, 15.9308, 14.4950 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 12.0773, 15.9308, 14.4950

Background



This preview shows how black text looks on a background with the XYZ color 12.0773, 15.9308, 14.4950.



This preview shows how white text looks on a background with the XYZ color 12.0773, 15.9308,

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

12.0773, 15.9308, 14.4950

Protanopia

14.8439, 15.6911, 13.0728

Deuteranopia

16.0181, 15.7797, 15.0335



Tritanopia

13.5786, 15.8361, 22.0797

Trichromacy



Original Color

12.0773, 15.9308, 14.4950

Protanomaly

13.6545, 15.7225, 13.6243

Deuteranomaly

14.2558, 15.6734, 14.8443

Tritanomaly

12.9655, 15.7563, 19.1875

Monochromacy



Original Color

12.0773, 15.9308, 14.4950

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7434, 14.5640, 14.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0773, 15.9308, 14.4950 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(77, 120, 100)` looks like.

```
.text, #text, p{  
    color:rgb(77, 120, 100)  
}
```

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(77, 120, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 120, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.0773, 15.9308, 14.4950 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(77, 120, 100) }
```


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

```
.border{ border-color:rgb(77, 120, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 120, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 120, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 120, 100);  
box-shadow:4px 4px 4px 4px rgb(77, 120,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0773, 15.9308, 14.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 120, 100) }
```

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

```
.background{ background-color: rgb(77, 120,  
100) }
```

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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