

Converting Colors

XYZ(15.4666, 16.2793, 30.7608)

Have a look what the booklet for
XYZ(15.4666, 16.2793, 30.7608)
contains.

XYZ(15.4666, 16.2793, 30.7608)	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(15.4666, 16.2793,
30.7608)**

Conversions

Conversions Part 1

Format	Color
Hex	587295
RGB	88, 114, 149
RGB Percent	35%, 45%, 58%
CMY	0.6549, 0.5529, 0.4157
CMYK	0.41, 0.23, 0.00, 0.42
HSL	214°, 26%, 46%
HSV	214°, 41%, 58%
XYZ	15.4666, 16.2793, 30.7608
YIQ	110.2160, -26.7310, 5.3730

Conversions

Conversions Part 2

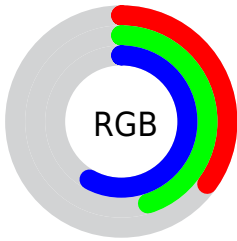
Format	Color
R_{YB}	88, 106, 149
Decimal	5796501
CIE Lab	47.34, -0.04, -22.03
CIE LCh	47, 22.028, 269.902
Yxy	16.2793, 0.2474, 0.2604
Android (android.graphics.Color)	4283986581 (0xFF587295)
YUV	110.2160, 19.1205, -19.4834
Hunter-Lab	40.3476, -2.1833, -16.9590

Details

The XYZ color **15.4666, 16.2793, 30.7608** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.2391, 21.2602, 12.2172**, and the grayscale version is **14.8358, 15.6084, 16.9975**.

A 20% lighter version of the original color is **35.2309, 37.1597, 61.8156**, and **4.9158, 5.1716, 12.2944** is the 20% darker color. If you saturate the color by 10%, you get **13.2781, 13.7862, 30.3952**, and if you desaturate by 10%, it is **18.0346, 19.1026, 31.1707**.

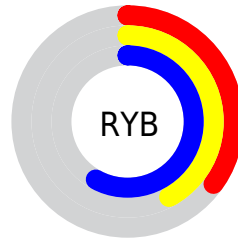
Distribution



Red (35%)

Green (45%)

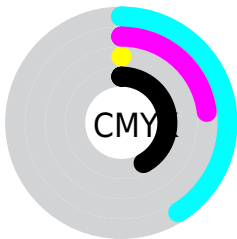
Blue (58%)



Red (35%)

Yellow (42%)

Blue (58%)

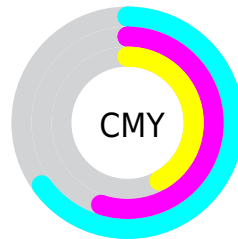


Cyan (41%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (65%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4666, 16.2793, 30.7608 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 15.4666, 16.2793, 30.7608 by changing the saturation by 10% instead.

■ 15.4666, 16.2793,
30.7608

■ 15.4666, 16.2793,
30.7608

219.5061,
230.9842, 319.7518

■ 9.2359, 9.7220,
20.1598

■ 35.2347, 37.0824,
61.9384

■ 4.9537, 5.2150,
12.3261

■ 49.5028, 52.0970,
83.3522

■ 2.2546, 2.3740,
6.8409

■ 67.1808, 70.6995,
109.2073

■ 0.7713, 0.8125,
3.2859

■ 88.6340, 93.2743,
139.9223

■ 0.0000, 0.0000,
1.2424

114.2278,
120.2058, 175.9157

■ 0.0000, 0.0000,
0.0139

144.3275,

■ 0.0000, 0.0000,

151.8783, 217.6060

0.0000

179.2985,
188.6763, 265.4119

■ 15.4666, 16.2793,
30.7608

■ 15.4666, 16.2793,
30.7608

■ 13.2781, 13.7862,
30.3952

■ 18.0346, 19.1026,
31.1707

■ 11.4474, 11.6073,
30.0711

■ 20.9990, 22.2672,
31.6253

■ 9.9528, 9.7280,
29.7872

■ 24.3777, 25.7861,
32.1264

■ 8.7693, 8.1315,
29.5414

■ 28.1868, 29.6709,
32.6755

■ 7.8680, 6.7987,
29.3316

■ 32.4417, 33.9326,
33.2738

■ 7.2308, 5.7818,
29.1689

■ 37.1568, 38.5817,
33.9227

■ 42.3459, 43.6283,
34.6233

■ 48.0224, 49.0821,
35.3768

■ 54.1989, 54.9526,
36.1844

Harmonies

Analogous

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



13.6698, 16.2793, 28.7192



15.4666, 16.2793, 30.7608



17.4162, 16.2793, 28.7445

Triad

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



15.4666, 16.2793, 30.7608



18.9521, 16.2793, 12.8978



12.4536, 16.2793, 12.8722

Complementary

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



15.4666, 16.2793, 30.7608



21.2391, 21.2602, 12.2172

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.



13.6800, 16.2793, 9.9581



15.4666, 16.2793, 30.7608



17.4282, 16.2793, 9.9706

Square

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



15.4666, 16.2793, 30.7608



19.5286, 16.2793, 17.7437



15.4794, 16.2793, 9.0172



12.0217, 16.2793, 17.7071

Rectangle

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



15.4666, 16.2793, 30.7608



18.5184, 16.2793, 25.5706



15.4794, 16.2793, 9.0172



12.7812, 16.2793, 11.6754

Sweetspot

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



15.4671, 16.2799, 30.7612



42.8242, 45.3201, 57.4118



18.3204, 24.9892, 22.4552



9.3319, 9.8796, 12.6999



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.



15.4671, 16.2799, 30.7612



24.1214, 25.0862, 54.4920



13.3352, 11.4286, 29.9371



5.6906, 6.0151, 7.3308



6.1140, 4.9229, 24.5590



0.1031, 0.1167, 0.3100

Inverse Universe

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



18.9218, 14.5844, 17.7381



31.3266, 22.2092, 27.1827



24.1745, 28.2135, 13.4046



5.8973, 5.8540, 6.5651



11.2132, 5.6903, 4.6035



0.1515, 0.0753, 0.1314

Previews

White Background



This preview shows how the XYZ color 15.4666, 16.2793, 30.7608 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 15.4666, 16.2793, 30.7608 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

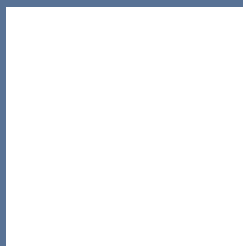
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4666, 16.2793, 30.7608

Background



This preview shows how black text looks on a background with the XYZ color 15.4666, 16.2793, 30.7608.

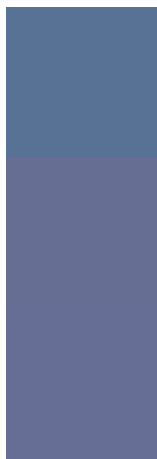


This preview shows how white text looks on a background with the XYZ color 15.4666, 16.2793,

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

15.4666, 16.2793, 30.7608

Protanopia

16.4304, 16.3002, 29.8840

Deuteranopia

16.5604, 16.1786, 31.1041



Tritanopia

13.7889, 16.2830, 22.4949

Trichromacy



Original Color

15.4666, 16.2793, 30.7608

Protanomaly

16.0692, 16.2678, 30.3100

Deuteranomaly

16.1192, 16.1123, 31.1146

Tritanomaly

14.3906, 16.3567, 25.3204

Monochromacy



Original Color

15.4666, 16.2793, 30.7608

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.8020, 15.6489, 21.3092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4666, 16.2793, 30.7608 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(88, 114, 149)` looks like.

```
.text, #text, p{  
    color:rgb(88, 114, 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(88, 114, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 114, 149) }
```

Border

The CSS property to change the border of an element to XYZ 15.4666, 16.2793, 30.7608 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(88, 114, 149) }
```


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

```
.border{ border-color:rgb(88, 114, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 114, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 114, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 114, 149);  
box-shadow:4px 4px 4px 4px rgb(88, 114,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4666, 16.2793, 30.7608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 114, 149) }
```

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

```
.background{ background-color: rgb(88, 114,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor