

Converting Colors

XYZ(15.7965, 18.5708, 30.1771)

Have a look what the booklet for
XYZ(15.7965, 18.5708, 30.1771)
contains.

XYZ(15.8692, 18.6480, 30.3668)	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(15.8692, 18.6480,
30.3668)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7E93
RGB	78, 126, 147
RGB Percent	31%, 49%, 58%
CMY	0.6941, 0.5059, 0.4235
CMYK	0.47, 0.14, 0.00, 0.42
HSL	198°, 31%, 44%
HSV	198°, 47%, 58%
XYZ	15.8692, 18.6480, 30.3668
YIQ	114.0420, -35.3490, -3.6450

Conversions

Conversions Part 2

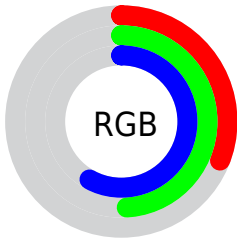
Format	Color
R_{YB}	78, 106, 147
Decimal	5144211
CIE _{Lab}	50.27, -10.34, -16.41
CIE _{LCh}	50, 19.391, 237.790
Yxy	18.6480, 0.2446, 0.2874
Android (android.graphics.Color)	4283334291 (0xFF4E7E93)
YUV	114.0420, 16.2483, -31.6088
Hunter-Lab	43.1833, -9.9749, -11.4648

Details

The XYZ color **15.8692, 18.6480, 30.3668** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8700, 15.6772, 9.2924**, and the grayscale version is **15.9677, 16.7993, 18.2944**.

A 20% lighter version of the original color is **36.0228, 41.2825, 61.3281**, and **5.1185, 6.3344, 12.0192** is the 20% darker color. If you saturate the color by 10%, you get **14.2376, 16.9769, 30.1306**, and if you desaturate by 10%, it is **17.7968, 20.5105, 30.6250**.

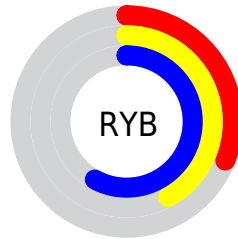
Distribution



Red (31%)

Green (49%)

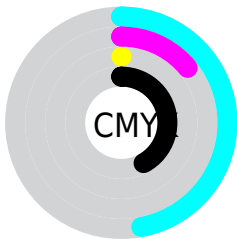
Blue (58%)



Red (31%)

Yellow (42%)

Blue (58%)

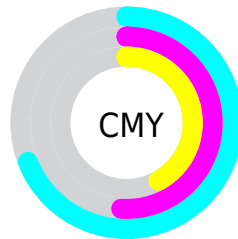


Cyan (47%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (69%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8692, 18.6480, 30.3668 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 15.8692, 18.6480, 30.3668 by changing the saturation by 10% instead.

■ 15.8692, 18.6480,
30.3668

■ 15.8692, 18.6480,
30.3668

221.8542,
244.4986, 317.8708

■ 9.5219, 11.4162,
19.8628

■ 35.9303, 41.1384,
61.3096

■ 5.1430, 6.3475,
12.1122

■ 50.3747, 57.1659,
82.5855

■ 2.3670, 3.0575,
6.6967

■ 68.2490, 76.8940,
108.2890

■ 0.8286, 1.1618,
3.1976

■ 89.9184, 100.7072,
138.8388

■ 0.0000, 0.0302,
1.1964

■ 115.7482,
128.9899, 174.6533

■ 0.0000, 0.0000,
0.0000

146.1039,

162.1264, 216.1511

181.3508,
200.5012, 263.7508

■ 15.8692, 18.6480,
30.3668

■ 15.8692, 18.6480,
30.3668

■ 14.2376, 16.9769,
30.1306

■ 17.7968, 20.5105,
30.6250

■ 12.8817, 15.4851,
29.9141

■ 20.0355, 22.5714,
30.9048

■ 11.7815, 14.1620,
29.7167

■ 22.6013, 24.8399,
31.2075

■ 10.9129, 12.9948,
29.5372

■ 25.5086, 27.3238,
31.5337

■ 10.2364, 11.9626,
29.3736

■ 28.7709, 30.0306,
31.8842

■ 10.0438, 11.6611,
29.3256

■ 32.4010, 32.9674,
32.2597

■ 36.4110, 36.1407,
32.6609

■ 40.8123, 39.5569,
33.0883

■ 45.6161, 43.2222,
33.5426

Harmonies

Analogous

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



14.7191, 18.6480, 25.5154



15.8692, 18.6480, 30.3668



17.5855, 18.6480, 32.4847

Triad

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



15.8692, 18.6480, 30.3668



21.5813, 18.6480, 20.7058



16.0942, 18.6480, 12.4638

Complementary

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



15.8692, 18.6480, 30.3668



17.8700, 15.6772, 9.2924

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.



17.8639, 18.6480, 11.6276



15.8692, 18.6480, 30.3668



21.1131, 18.6480, 15.8562

Square

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



15.8692, 18.6480, 30.3668



20.9571, 18.6480, 26.3280



19.7188, 18.6480, 12.7539



14.8424, 18.6480, 15.2779

Rectangle

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



15.8692, 18.6480, 30.3668



18.8502, 18.6480, 31.8236



19.7188, 18.6480, 12.7539



16.6443, 18.6480, 11.9664

Sweetspot

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



15.8698, 18.6487, 30.3672



41.7940, 45.6246, 56.0382



15.8139, 23.3827, 15.4097



9.3148, 10.2200, 12.7665



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.



15.8698, 18.6487, 30.3672



25.4401, 30.3423, 53.9504



12.2187, 11.3466, 29.1502



5.8167, 6.2673, 7.3729



8.7297, 10.1543, 25.4309



0.1329, 0.1764, 0.3199

Inverse Universe

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



18.5234, 13.1587, 21.3030



30.9589, 19.9640, 34.8661



21.8231, 23.5834, 10.6102



5.9609, 5.8794, 6.9003



12.5334, 6.2184, 11.5560



0.1666, 0.0814, 0.2107

Previews

White Background



This preview shows how the XYZ color 15.8692, 18.6480, 30.3668 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8692, 18.6480, 30.3668 looks on a black 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

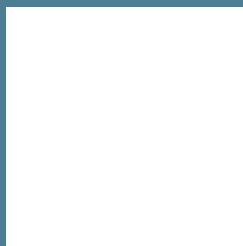
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8692, 18.6480, 30.3668

Background



This preview shows how black text looks on a background with the XYZ color 15.8692, 18.6480, 30.3668.



This preview shows how white text looks on a background with the XYZ color 15.8692, 18.6480,

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

15.8692, 18.6480, 30.3668

Protanopia

18.3003, 18.4873, 28.1951

Deuteranopia

18.8563, 18.5373, 31.0180



Tritanopia

15.2083, 18.7692, 26.8660

Trichromacy



Original Color

15.8692, 18.6480, 30.3668

Protanomaly

17.2382, 18.4551, 29.0392

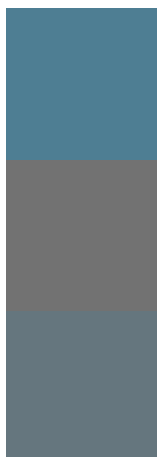
Deuteranomaly

17.5413, 18.3958, 30.6432

Tritanomaly

15.3776, 18.6383, 27.9864

Monochromacy



Original Color

15.8692, 18.6480, 30.3668

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6112, 17.2299, 22.2416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8692, 18.6480, 30.3668 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(78, 126, 147)` looks like.

```
.text, #text, p{  
  color:rgb(78, 126, 147)  
}
```

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(78, 126, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.8692, 18.6480, 30.3668 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(78, 126, 147) }
```


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

```
.border{ border-color:rgb(78, 126, 147) }
```

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

Here you see how a box with a 4 pixel rgb(78, 126, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 147);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8692, 18.6480, 30.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 147) }
```

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

```
.background{ background-color: rgb(78, 126,  
147) }
```

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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