

Converting Colors

XYZ(16.8208, 18.9543, 31.7814)

Have a look what the booklet for
XYZ(16.8208, 18.9543, 31.7814)
contains.

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Color

**XYZ(16.7691, 18.8955,
31.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	577D96
RGB	87, 125, 150
RGB Percent	34%, 49%, 59%
CMY	0.6588, 0.5098, 0.4118
CMYK	0.42, 0.17, 0.00, 0.41
HSL	204°, 27%, 46%
HSV	204°, 42%, 59%
XYZ	16.7691, 18.8955, 31.6175
YIQ	116.4880, -30.6730, -0.2810

Conversions

Conversions Part 2

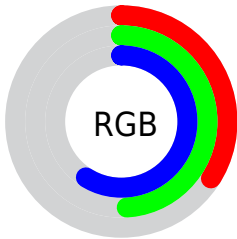
Format	Color
R _Y B	87, 111, 150
Decimal	5733782
CIE Lab	50.56, -6.49, -17.67
CIE LCh	51, 18.826, 249.849
Yxy	18.8955, 0.2492, 0.2808
Android (android.graphics.Color)	4283923862 (0xFF577D96)
YUV	116.4880, 16.5214, -25.8610
Hunter-Lab	43.4690, -7.2104, -12.6968

Details

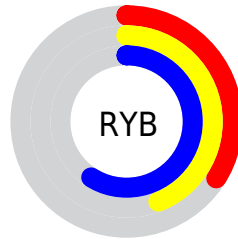
The XYZ color **16.7691, 18.8955, 31.6175** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.0925, 18.7608, 11.5795**, and the grayscale version is **16.7084, 17.5785, 19.1430**.

A 20% lighter version of the original color is **37.4669, 41.6894, 63.1989**, and **5.5641, 6.4448, 12.7551** is the 20% darker color. If you saturate the color by 10%, you get **14.7805, 16.7855, 31.3154**, and if you desaturate by 10%, it is **19.0951, 21.2474, 31.9492**.

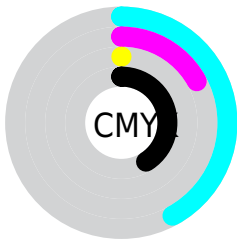
Distribution



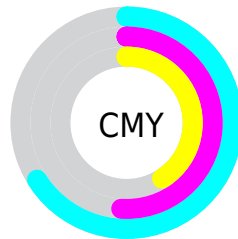
- Red (34%)
- Green (49%)
- Blue (59%)



- Red (34%)
- Yellow (44%)
- Blue (59%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (41%)



- Cyan (66%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7691, 18.8955, 31.6175 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 16.7691, 18.8955, 31.6175 by changing the saturation by 10% instead.

■ 16.7691, 18.8955,
31.6175

■ 16.7691, 18.8955,
31.6175

227.0205,
245.8713, 323.8120

■ 10.1643, 11.5948,
20.8071

■ 37.4751, 41.5574,
63.3019

■ 5.5711, 6.4684,
12.7932

■ 52.3070, 57.6875,
85.0130

■ 2.6243, 3.1319,
7.1573

■ 70.6120, 77.5294,
111.1947

■ 0.9583, 1.2010,
3.4807

■ 92.7554, 101.4676,
142.2656

■ 0.0000, 0.0625,
1.3450

■ 119.1026,
129.8865, 178.6443

■ 0.0000, 0.0000,
0.0983

150.0190,

■ 0.0000, 0.0000,

163.1705, 220.7492

0.0000

185.8698,
201.7039, 268.9989

■ 16.7691, 18.8955,
31.6175

■ 16.7691, 18.8955,
31.6175

■ 14.7805, 16.7855,
31.3154

■ 19.0951, 21.2474,
31.9492

■ 13.1086, 14.9041,
31.0403

■ 21.7740, 23.8489,
32.3102

■ 11.7329, 13.2402,
30.7917

■ 24.8225, 26.7104,
32.7018

■ 10.6296, 11.7801,
30.5680

■ 28.2558, 29.8405,
33.1250

■ 9.7707, 10.5082,
30.3678

■ 32.0879, 33.2477,
33.5807

■ 9.2018, 9.5954,
30.2216

■ 36.3324, 36.9399,
34.0697

■ 41.0019, 40.9247,
34.5927

■ 46.1088, 45.2094,
35.1506

■ 51.6647, 49.8010,
35.7440

Harmonies

Analogous

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



15.3800, 18.8955, 27.7672



16.7691, 18.8955, 31.6175



18.5711, 18.8955, 32.2482

Triad

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



16.7691, 18.8955, 31.6175



21.6727, 18.8955, 18.8903



15.7883, 18.8955, 13.7389

Complementary

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



16.7691, 18.8955, 31.6175



20.0925, 18.7608, 11.5795

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.



17.3616, 18.8955, 12.1241



16.7691, 18.8955, 31.6175



20.8127, 18.8955, 14.7445

Square

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



16.7691, 18.8955, 31.6175



21.4870, 18.8955, 24.2625



19.2052, 18.8955, 12.4578



14.8411, 18.8955, 17.2796

Rectangle

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



16.7691, 18.8955, 31.6175



19.7772, 18.8955, 30.6639



19.2052, 18.8955, 12.4578



16.2569, 18.8955, 12.9828

Sweetspot

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



16.7697, 18.8962, 31.6179



43.0925, 46.4767, 57.6209



17.7148, 24.9903, 18.9727



9.3000, 10.0672, 12.7378



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.



16.7697, 18.8962, 31.6179



26.4138, 29.9810, 55.3160



13.4699, 12.2966, 30.5180



5.7729, 6.1798, 7.3583



7.6635, 8.0219, 25.0755



0.1227, 0.1559, 0.3165

Inverse Universe

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



19.6880, 14.7816, 21.2183



32.4081, 22.3521, 33.7706



24.0683, 26.7125, 12.9048



5.9388, 5.8706, 6.7840



11.9953, 6.0032, 8.7221



0.1614, 0.0793, 0.1835

Previews

White Background



This preview shows how the XYZ color 16.7691, 18.8955, 31.6175 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 16.7691, 18.8955, 31.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

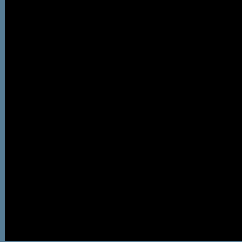
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7691, 18.8955, 31.6175

Background



This preview shows how black text looks on a background with the XYZ color 16.7691, 18.8955, 31.6175.



This preview shows how white text looks on a background with the XYZ color 16.7691, 18.8955,

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

16.7691, 18.8955, 31.6175

Protanopia

18.7246, 18.8464, 29.8450

Deuteranopia

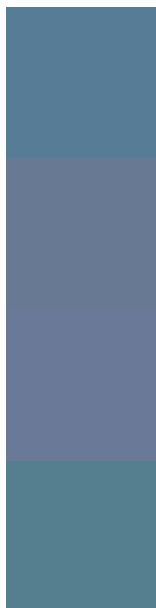
19.2162, 18.8687, 32.3350



Tritanopia

15.7609, 18.8697, 26.4784

Trichromacy



Original Color

16.7691, 18.8955, 31.6175

Protanomaly

17.8128, 18.7244, 30.2791

Deuteranomaly

18.2490, 18.9124, 31.9668

Tritanomaly

16.0897, 18.8060, 28.3731

Monochromacy



Original Color

16.7691, 18.8955, 31.6175

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3188, 17.7554, 22.9891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7691, 18.8955, 31.6175 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(87, 125, 150)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 150)  
}
```

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(87, 125, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.7691, 18.8955, 31.6175 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(87, 125, 150) }
```


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

```
.border{ border-color:rgb(87, 125, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 150);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7691, 18.8955, 31.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 150) }
```

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

```
.background{ background-color: rgb(87, 125,  
150) }
```

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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