

Converting Colors

XYZ(16.6419, 18.5325, 22.9500)

Have a look what the booklet for
XYZ(16.6419, 18.5325, 22.9500)
contains.

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Color

**XYZ(16.6815, 18.4808,
23.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	697A80
RGB	105, 122, 128
RGB Percent	41%, 48%, 50%
CMY	0.5882, 0.5216, 0.4980
CMYK	0.18, 0.05, 0.00, 0.50
HSL	196°, 10%, 46%
HSV	196°, 18%, 50%
XYZ	16.6815, 18.4808, 23.1100
YIQ	117.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

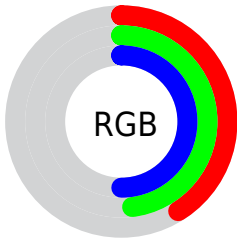
Format	Color
R_{YB}	105, 115, 128
Decimal	6912640
CIE _{Lab}	50.07, -4.86, -5.38
CIE _{LCh}	50, 7.250, 227.907
Yxy	18.4808, 0.2863, 0.3171
Android (android.graphics.Color)	4285102720 (0xFF697A80)
YUV	117.6010, 5.1267, -11.0511
Hunter-Lab	42.9893, -5.9664, -1.7803

Details

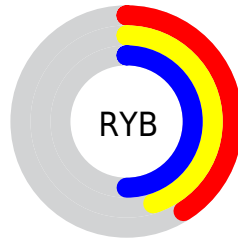
The XYZ color **16.6815, 18.4808, 23.1100** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1365, 16.9780, 15.7389**, and the grayscale version is **17.0829, 17.9725, 19.5721**.

A 20% lighter version of the original color is **37.1868, 40.6762, 49.6074**, and **5.4812, 6.1995, 8.3049** is the 20% darker color. If you saturate the color by 10%, you get **14.8870, 16.9581, 22.9110**, and if you desaturate by 10%, it is **18.7175, 20.1499, 23.3252**.

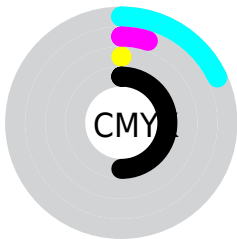
Distribution



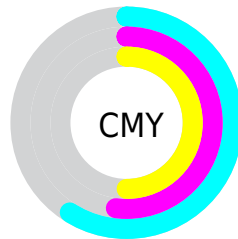
- Red (41%)
- Green (48%)
- Blue (50%)



- Red (41%)
- Yellow (45%)
- Blue (50%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (59%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6815, 18.4808, 23.1100 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 16.6815, 18.4808, 23.1100 by changing the saturation by 10% instead.

■ 16.6815, 18.4808,
23.1100

■ 16.6815, 18.4808,
23.1100

226.5224,
243.5673, 281.4297

■ 10.1016, 11.2957,
14.4687

■ 37.3253, 40.8549,
49.4994

■ 5.5291, 6.2661,
8.3049

■ 52.1199, 56.8127,
68.0845

■ 2.5989, 3.0076,
4.2001

■ 70.3834, 76.4636,
90.8213

■ 0.9454, 1.1357,
1.7357

■ 92.4812, 100.1919,
118.1284

■ 0.0000, 0.0082,
0.3851

118.7787,
128.3820, 150.4242

■ 0.0000, 0.0000,
0.0000

149.6411,

161.4184, 188.1273

185.4339,
199.6853, 231.6563

■ 16.6815, 18.4808,
23.1100

■ 16.6815, 18.4808,
23.1100

■ 14.8870, 16.9581,
22.9110

■ 18.7175, 20.1499,
23.3252

■ 13.3222, 15.5740,
22.7263

■ 21.0029, 21.9682,
23.5557

■ 11.9766, 14.3234,
22.5558

■ 23.5473, 23.9413,
23.8024

■ 10.8383, 13.1999,
22.3990

■ 26.3594, 26.0740,
24.0658

■ 9.8941, 12.1966,
22.2551

■ 29.4473, 28.3705,
24.3464

■ 9.1294, 11.3056,
22.1234

■ 32.8188, 30.8351,
24.6444

■ 8.5272, 10.5181,
22.0031

■ 36.4814, 33.4719,
24.9603

■ 8.0478, 9.8132,
21.8923

■ 40.4424, 36.2848,
25.2945

■ 7.9542, 9.6743,
21.8704

■ 44.7087, 39.2775,
25.6473

Harmonies

Analogous

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



16.3197, 18.4808, 21.3270



16.6815, 18.4808, 23.1100



17.2859, 18.4808, 24.1175

Triad

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



16.6815, 18.4808, 23.1100



18.9100, 18.4808, 20.9381



17.1562, 18.4808, 16.6837

Complementary

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



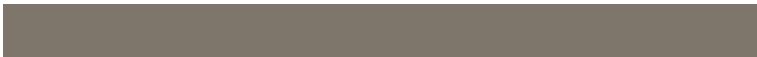
16.6815, 18.4808, 23.1100



17.1365, 16.9780, 15.7389

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.



17.8480, 18.4808, 16.5949



16.6815, 18.4808, 23.1100



18.8731, 18.4808, 18.9642

Square

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



16.6815, 18.4808, 23.1100



18.5798, 18.4808, 22.8091



18.4801, 18.4808, 17.4042



16.5887, 18.4808, 17.6555

Rectangle

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



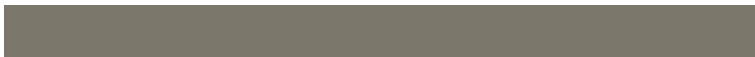
16.6815, 18.4808, 23.1100



17.7506, 18.4808, 24.1726



18.4801, 18.4808, 17.4042



17.3816, 18.4808, 16.5521

Sweetspot

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



16.6820, 18.4816, 23.1104



34.0570, 36.3626, 41.1800



16.4007, 19.5841, 17.8829



7.9195, 8.4701, 9.6358



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6820, 18.4816, 23.1104



27.8854, 31.2910, 40.5263



15.3795, 15.8766, 22.6762



4.3545, 4.7030, 5.4915



7.8882, 9.5949, 21.6862



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4669, 16.0979, 20.5998



29.5825, 26.2641, 35.0694



18.4425, 19.5900, 16.1742



4.4518, 4.3939, 5.1835



10.8586, 5.3631, 11.1109



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6815, 18.4808, 23.1100 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 16.6815, 18.4808, 23.1100 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

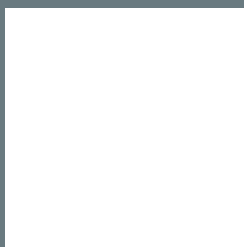
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6815, 18.4808, 23.1100

Background



This preview shows how black text looks on a background with the XYZ color 16.6815, 18.4808, 23.1100.



This preview shows how white text looks on a background with the XYZ color 16.6815, 18.4808,

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

16.6815, 18.4808, 23.1100

Protanopia

17.8521, 18.3852, 22.3464

Deuteranopia

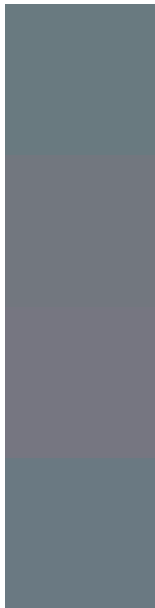
18.8120, 18.5114, 23.3504



Tritanopia

16.8780, 18.3776, 24.1304

Trichromacy



Original Color

16.6815, 18.4808, 23.1100

Protanomaly

17.3670, 18.3034, 22.6962

Deuteranomaly

17.9121, 18.3934, 23.3751

Tritanomaly

16.8105, 18.3506, 23.7751

Monochromacy



Original Color

16.6815, 18.4808, 23.1100

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9197, 18.1095, 21.0161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6815, 18.4808, 23.1100 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(105, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(105, 122, 128)  
}
```

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(105, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.6815, 18.4808, 23.1100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

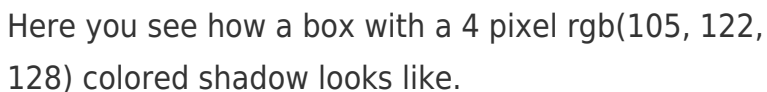
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 122, 128) }
```


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

```
.border{ border-color:rgb(105, 122, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 122, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 122, 128); box-shadow:4px 4px 4px 4px rgb(105, 122, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6815, 18.4808, 23.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 122, 128) }
```

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

```
.background{ background-color: rgb(105,  
122, 128) }
```

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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