

Converting Colors

XYZ(16.8936, 19.0332, 23.6201)

Have a look what the booklet for
XYZ(16.8936, 19.0332, 23.6201)
contains.

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Color

**XYZ(16.8790, 18.9433,
23.5357)**

Conversions

Conversions Part 1

Format	Color
Hex	687C81
RGB	104, 124, 129
RGB Percent	41%, 49%, 51%
CMY	0.5922, 0.5137, 0.4941
CMYK	0.19, 0.04, 0.00, 0.49
HSL	192°, 11%, 46%
HSV	192°, 19%, 51%
XYZ	16.8790, 18.9433, 23.5357
YIQ	118.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

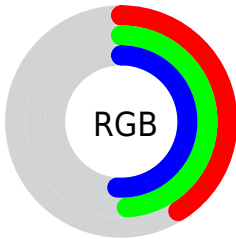
Format	Color
RYB	104, 115, 129
Decimal	6847617
CIELab	50.62, -6.12, -5.17
CIELCh	51, 8.005, 220.185
Yxy	18.9433, 0.2844, 0.3191
Android (android.graphics.Color)	4285037697 (0xFF687C81)
YUV	118.5900, 5.1321, -12.7954
Hunter-Lab	43.5239, -6.9428, -1.5945

Details

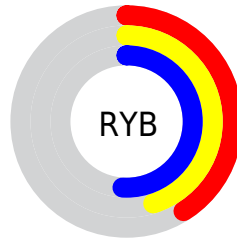
The XYZ color **16.8790, 18.9433, 23.5357** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0208, 16.6039, 15.4049**, and the grayscale version is **17.3930, 18.2987, 19.9273**.

A 20% lighter version of the original color is **37.8759, 41.8896, 50.3452**, and **5.5949, 6.4521, 8.5399** is the 20% darker color. If you saturate the color by 10%, you get **15.1758, 17.5922, 23.3650**, and if you desaturate by 10%, it is **18.8209, 20.4310, 23.7208**.

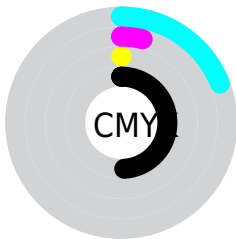
Distribution



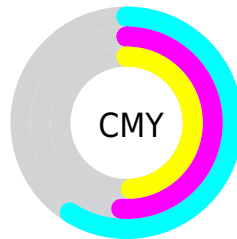
- Red (41%)
- Green (49%)
- Blue (51%)



- Red (41%)
- Yellow (45%)
- Blue (51%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (49%)



- Cyan (59%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8790, 18.9433, 23.5357 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 16.8790, 18.9433, 23.5357 by changing the saturation by 10% instead.

■ 16.8790, 18.9433,
23.5357

■ 16.8790, 18.9433,
23.5357

227.6440,
246.1356, 283.6752

■ 10.2430, 11.6293,
14.7806

■ 37.6629, 41.6383,
50.2058

■ 5.6239, 6.4918,
8.5206

■ 52.5415, 57.7880,
68.9577

■ 2.6562, 3.1464,
4.3373

■ 70.8984, 77.6519,
91.8791

■ 0.9747, 1.2086,
1.8122

■ 93.0988, 101.6141,
119.3884

■ 0.0000, 0.0687,
0.4360

119.5083,
130.0592, 151.9041

■ 0.0000, 0.0000,
0.0000

150.4921,

163.3716, 189.8447

186.4155,
201.9356, 233.6289

■ 16.8790, 18.9433,
23.5357

■ 16.8790, 18.9433,
23.5357

■ 15.1758, 17.5922,
23.3650

■ 18.8209, 20.4310,
23.7208

■ 13.6992, 16.3698,
23.2069

■ 21.0095, 22.0581,
23.9195

■ 12.4384, 15.2710,
23.0612

■ 23.4547, 23.8302,
24.1327

■ 11.3813, 14.2896,
22.9275

■ 26.1652, 25.7519,
24.3608

■ 10.5144, 13.4183,
22.8050

■ 29.1493, 27.8276,
24.6041

■ 9.8223, 12.6493,
22.6931

■ 32.4149, 30.0614,
24.8632

■ 9.2877, 11.9733,
22.5908

■ 35.9698, 32.4574,
25.1383

■ 8.8595, 11.3642,
22.4958

■ 39.8211, 35.0194,
25.4298

■ 8.8335, 11.3270,
22.4900

■ 43.9759, 37.7512,
25.7381

Harmonies

Analogous

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



16.5633, 18.9433, 21.3980



16.8790, 18.9433, 23.5357



17.4994, 18.9433, 24.9550

Triad

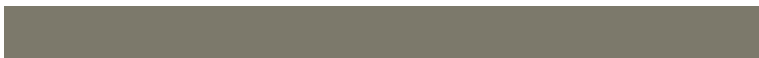
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.8790, 18.9433, 23.5357



19.4591, 18.9433, 22.1227



17.7401, 18.9433, 16.6660

Complementary

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



16.8790, 18.9433, 23.5357



17.0208, 16.6039, 15.4049

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.



18.5203, 18.9433, 16.8291



16.8790, 18.9433, 23.5357



19.5281, 18.9433, 19.8728

Square

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



16.8790, 18.9433, 23.5357



18.9942, 18.9433, 24.0991



19.1801, 18.9433, 17.9666



17.0508, 18.9433, 17.5038

Rectangle

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



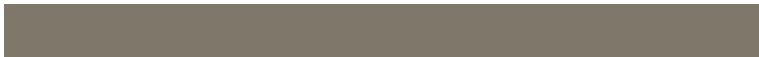
16.8790, 18.9433, 23.5357



18.0099, 18.9433, 25.2460



19.1801, 18.9433, 17.9666



18.0002, 18.9433, 16.6072

Sweetspot

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



16.8796, 18.9441, 23.5361



34.9236, 37.5027, 42.5906



16.2975, 19.7391, 17.3021



7.8604, 8.4554, 9.6361



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.



16.8796, 18.9441, 23.5361



28.9074, 32.8883, 42.0170



15.4567, 16.0984, 23.0618



4.3757, 4.7454, 5.4986



8.6156, 11.0496, 21.9287



0.0000, 0.0000, 0.0000

Inverse Universe

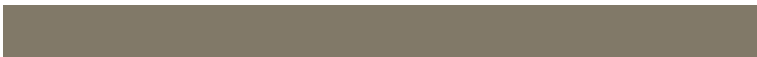
The Inverse Universe completely reimagines the original color for something new.



17.6421, 16.0234, 21.2326



30.5351, 26.7722, 37.0736



18.3998, 19.3620, 15.8645



4.4625, 4.3981, 5.2398



11.2257, 5.5100, 13.0442



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8790, 18.9433, 23.5357 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 16.8790, 18.9433, 23.5357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

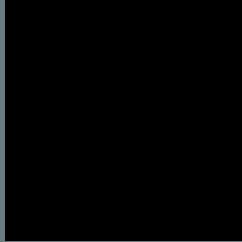
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

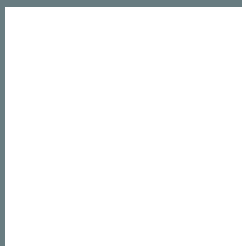
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8790, 18.9433, 23.5357

Background



This preview shows how black text looks on a background with the XYZ color 16.8790, 18.9433, 23.5357.



This preview shows how white text looks on a background with the XYZ color 16.8790, 18.9433,

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

16.8790, 18.9433, 23.5357

Protanopia

18.3675, 19.0042, 22.4388

Deuteranopia

19.1430, 18.8463, 23.7479



Tritanopia

17.1423, 18.8626, 24.9277

Trichromacy



Original Color

16.8790, 18.9433, 23.5357

Protanomaly

17.7384, 18.8519, 22.7825

Deuteranomaly

18.3535, 18.9666, 23.8127

Tritanomaly

17.0735, 18.8351, 24.5655

Monochromacy



Original Color

16.8790, 18.9433, 23.5357

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.3520, 18.6822, 21.4304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8790, 18.9433, 23.5357 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(104, 124, 129)` looks like.

```
.text, #text, p{  
    color:rgb(104, 124, 129)  
}
```

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(104, 124, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 124, 129) }
```

Border

The CSS property to change the border of an element to XYZ 16.8790, 18.9433, 23.5357 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(104, 124, 129) }
```


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

```
.border{ border-color:rgb(104, 124, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 124, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 124, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 124, 129);  
box-shadow:4px 4px 4px 4px rgb(104, 124,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8790, 18.9433, 23.5357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 124, 129) }
```

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

```
.background{ background-color: rgb(104,  
124, 129) }
```

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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