

Converting Colors

XYZ(16.0962, 18.8447, 28.2775)

Have a look what the booklet for
XYZ(16.0962, 18.8447, 28.2775)
contains.

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Color

**XYZ(16.0897, 18.8060,
28.3731)**

Conversions

Conversions Part 1

Format	Color
Hex	557E8E
RGB	85, 126, 142
RGB Percent	33%, 49%, 56%
CMY	0.6667, 0.5059, 0.4431
CMYK	0.40, 0.11, 0.00, 0.44
HSL	197°, 25%, 45%
HSV	197°, 40%, 56%
XYZ	16.0897, 18.8060, 28.3731
YIQ	115.5650, -29.5720, -3.7160

Conversions

Conversions Part 2

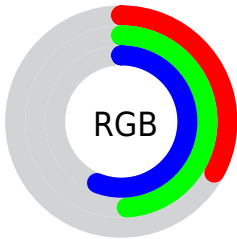
Format	Color
R_{YB}	85, 109, 142
Decimal	5602958
CIE _{Lab}	50.46, -9.87, -13.16
CIE _{LCh}	50, 16.451, 233.128
Yxy	18.8060, 0.2543, 0.2972
Android (android.graphics.Color)	4283793038 (0xFF557E8E)
YUV	115.5650, 13.0325, -26.8055
Hunter-Lab	43.3659, -9.6629, -8.4357

Details

The XYZ color **16.0897, 18.8060, 28.3731** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4492, 15.7145, 10.7085**, and the grayscale version is **16.4360, 17.2919, 18.8309**.

A 20% lighter version of the original color is **36.4004, 41.5441, 58.3249**, and **5.2453, 6.4205, 11.0880** is the 20% darker color. If you saturate the color by 10%, you get **14.4282, 17.2083, 28.1526**, and if you desaturate by 10%, it is **18.0314, 20.5792, 28.6134**.

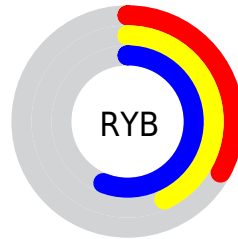
Distribution



Red (33%)

Green (49%)

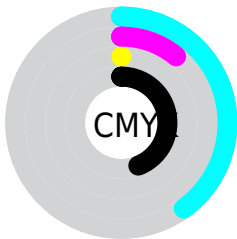
Blue (56%)



Red (33%)

Yellow (43%)

Blue (56%)

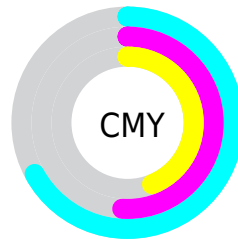


Cyan (40%)

Magenta (11%)

Yellow (0%)

Black (44%)



Cyan (67%)

Magenta (51%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0897, 18.8060, 28.3731 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 16.0897, 18.8060, 28.3731 by changing the saturation by 10% instead.

■ 16.0897, 18.8060,
28.3731

■ 16.0897, 18.8060,
28.3731

223.1304,
245.3757, 308.2133

■ 9.6789, 11.5302,
18.3656

■ 36.3100, 41.4060,
58.1098

■ 5.2472, 6.4246,
11.0406

■ 50.8503, 57.4990,
78.6761

■ 2.4293, 3.1050,
5.9797

■ 68.8311, 77.2999,
103.5991

■ 0.8597, 1.1868,
2.7641

■ 90.6178, 101.1930,
133.2973

■ 0.0000, 0.0509,
0.9755

■ 116.5757,
129.5627, 168.1893

■ 0.0000, 0.0000,
0.0000

147.0702,

162.7935, 208.6936

182.4667,
201.2697, 255.2288

■ 16.0897, 18.8060,
28.3731

■ 16.0897, 18.8060,
28.3731

■ 14.4282, 17.2083,
28.1526

■ 18.0314, 20.5792,
28.6134

■ 13.0294, 15.7753,
27.9497

■ 20.2661, 22.5335,
28.8728

■ 11.8763, 14.4985,
27.7641

■ 22.8078, 24.6769,
29.1525

■ 10.9493, 13.3673,
27.5946

■ 25.6691, 27.0162,
29.4533

■ 10.2253, 12.3695,
27.4402

■ 28.8618, 29.5579,
29.7756

■ 9.6480, 11.4838,
27.2996

■ 32.3973, 32.3080,
30.1201

■ 36.2862, 35.2725,
30.4873

■ 40.5387, 38.4568,
30.8778

■ 45.1645, 41.8664,
31.2921

Harmonies

Analogous

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



15.1895, 18.8060, 24.1396



16.0897, 18.8060, 28.3731



17.5086, 18.8060, 30.5398

Triad

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



16.0897, 18.8060, 28.3731



21.1095, 18.8060, 21.5501



16.6921, 18.8060, 13.3897

Complementary

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



16.0897, 18.8060, 28.3731



17.4492, 15.7145, 10.7085

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.



18.2456, 18.8060, 12.9093



16.0897, 18.8060, 28.3731



20.8587, 18.8060, 17.2041

Square

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



16.0897, 18.8060, 28.3731



20.4529, 18.8060, 26.2374



19.7867, 18.8060, 14.2006



15.5225, 18.8060, 15.6274

Rectangle

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



16.0897, 18.8060, 28.3731



18.5831, 18.8060, 30.3222



19.7867, 18.8060, 14.2006



17.1842, 18.8060, 13.0326

Sweetspot

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



16.0903, 18.8067, 28.3735



39.2269, 42.6890, 51.3002



15.7298, 22.2017, 15.5644



8.6487, 9.4404, 11.4458



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.0903, 18.8067, 28.3735



25.7530, 30.6515, 49.6869



13.0252, 12.6766, 27.3518



5.4341, 5.8639, 6.8742



8.6783, 10.3426, 24.5160



0.1016, 0.1362, 0.2406

Inverse Universe

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



18.1703, 13.7548, 21.4367



30.0525, 20.9092, 35.1907



20.6063, 22.0287, 11.7609



5.5626, 5.4856, 6.4605



12.1835, 6.0304, 11.8837



0.1259, 0.0614, 0.1632

Previews

White Background



This preview shows how the XYZ color 16.0897, 18.8060, 28.3731 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 16.0897, 18.8060, 28.3731 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

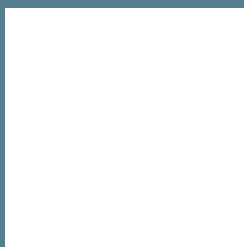
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0897, 18.8060, 28.3731

Background



This preview shows how black text looks on a background with the XYZ color 16.0897, 18.8060, 28.3731.



This preview shows how white text looks on a background with the XYZ color 16.0897, 18.8060,

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

16.0897, 18.8060, 28.3731

Protanopia

18.4483, 18.7817, 26.3198

Deuteranopia

19.0031, 18.6581, 28.9854



Tritanopia

15.7609, 18.8697, 26.4784

Trichromacy



Original Color

16.0897, 18.8060, 28.3731

Protanomaly

17.4454, 18.7864, 27.1328

Deuteranomaly

17.7378, 18.5419, 28.6307

Tritanomaly

15.9057, 18.9276, 27.2412

Monochromacy



Original Color

16.0897, 18.8060, 28.3731

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2438, 17.9169, 22.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0897, 18.8060, 28.3731 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(85, 126, 142) looks like.

```
.text, #text, p{  
    color:rgb(85, 126, 142)  
}
```

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(85, 126, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 126, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.0897, 18.8060, 28.3731 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(85, 126, 142) }
```


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

```
.border{ border-color:rgb(85, 126, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 126, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 126, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 126, 142);  
box-shadow:4px 4px 4px 4px rgb(85, 126,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0897, 18.8060, 28.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 126, 142) }
```

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

```
.background{ background-color: rgb(85, 126,  
142) }
```

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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