

Converting Colors

XYZ(16.7836, 23.2458, 18.4357)

Have a look what the booklet for
XYZ(16.7836, 23.2458, 18.4357)
contains.

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Color

**XYZ(16.8704, 23.4028,
18.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	57916E
RGB	87, 145, 110
RGB Percent	34%, 57%, 43%
CMY	0.6588, 0.4314, 0.5686
CMYK	0.40, 0.00, 0.24, 0.43
HSL	144°, 25%, 45%
HSV	144°, 40%, 57%
XYZ	16.8704, 23.4028, 18.3799
YIQ	123.6680, -23.3330, -23.1810

Conversions

Conversions Part 2

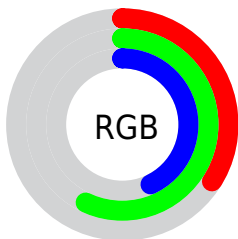
Format	Color
R _Y B	87, 129, 145
Decimal	5738862
CIE Lab	55.48, -27.13, 12.72
CIE LCh	55, 29.962, 154.885
Yxy	23.4028, 0.2876, 0.3990
Android (android.graphics.Color)	4283928942 (0xFF57916E)
YUV	123.6680, -6.7383, -32.1578
Hunter-Lab	48.3764, -22.4102, 11.3372

Details

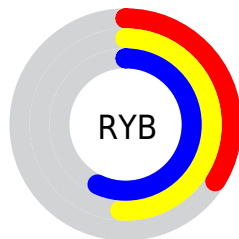
The XYZ color **16.8704, 23.4028, 18.3799** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5989, 14.2419, 20.1821**, and the grayscale version is **19.0755, 20.0689, 21.8551**.

A 20% lighter version of the original color is **37.5925, 48.9445, 41.6483**, and **5.5998, 8.7283, 5.9470** is the 20% darker color. If you saturate the color by 10%, you get **15.1971, 22.5932, 15.9364**, and if you desaturate by 10%, it is **18.8639, 24.3733, 21.0850**.

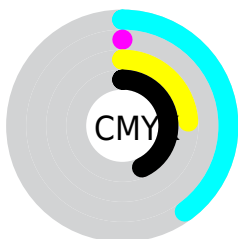
Distribution



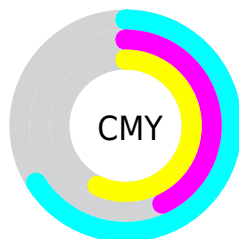
- Red (34%)
- Green (57%)
- Blue (43%)



- Red (34%)
- Yellow (51%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (43%)



- Cyan (66%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8704, 23.4028, 18.3799 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 16.8704, 23.4028, 18.3799 by changing the saturation by 10% instead.

■ 16.8704, 23.4028,
18.3799

■ 16.8704, 23.4028,
18.3799

227.5953,
269.7872, 255.3114

■ 10.2369, 14.8912,
11.0508

■ 37.6482, 49.0539,
41.5063

■ 5.6198, 8.7431,
5.9864

■ 52.5231, 66.9622,
58.1406

■ 2.6537, 4.5740,
2.7682

■ 70.8760, 88.7715,
78.7138

■ 0.9734, 1.9995,
0.9775

■ 93.0720, 114.8662,
103.6444

■ 0.0000, 0.6072,
0.0000

■ 119.4766,
145.6307, 133.3509

■ 0.0000, 0.0000,
0.0000

150.4551,

181.4495, 168.2519

186.3728,
222.7068, 208.7658

■ 16.8704, 23.4028,
18.3799

■ 16.8704, 23.4028,
18.3799

■ 15.1971, 22.5932,
15.9364

■ 18.8639, 24.3733,
21.0850

■ 13.8245, 21.9327,
13.7451

■ 21.1922, 25.5102,
24.0577

■ 12.7337, 21.4123,
11.7982


■ 23.8710, 26.8221,
27.3058

■ 11.9025, 21.0208,
10.0867


■ 26.9145, 28.3161,
30.8363


■ 11.3055, 20.7453,
8.6013


■ 30.3361, 29.9990,
34.6557


 10.8768, 20.5520,
7.3302

 34.1486, 31.8773,
38.7708

 10.8768, 20.5520,
7.3301

 38.3642, 33.9571,
43.1876

 42.9942, 36.2442,
47.9122

 48.0500, 38.7442,
52.9506

Harmonies

Analogous

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



18.7351, 23.4028, 13.0753



16.8704, 23.4028, 18.3799



16.3845, 23.4028, 27.0971

Triad

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



16.8704, 23.4028, 18.3799



22.8008, 23.4028, 48.8448



28.0024, 23.4028, 16.2624

Complementary

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



16.8704, 23.4028, 18.3799



18.5989, 14.2419, 20.1821

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.



29.3556, 23.4028, 23.9318



16.8704, 23.4028, 18.3799



26.1650, 23.4028, 43.9679

Square

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



16.8704, 23.4028, 18.3799



19.6016, 23.4028, 46.2839



28.6515, 23.4028, 34.2111



25.1130, 23.4028, 12.0871

Rectangle

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



16.8704, 23.4028, 18.3799



16.8612, 23.4028, 34.1288



28.6515, 23.4028, 34.2111



28.6646, 23.4028, 18.4344

Sweetspot

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



16.8710, 23.4038, 18.3804



41.6121, 47.4758, 47.5461



19.9816, 25.1337, 12.8154



9.1344, 10.5014, 10.4299



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.8710, 23.4038, 18.3804



27.4894, 40.5922, 28.9554



18.6610, 24.1198, 27.8064



5.4259, 6.0626, 6.2088



9.3412, 17.6324, 6.3510



0.0997, 0.1727, 0.1152

Inverse Universe

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



18.5989, 14.2419, 20.1821



31.0231, 21.8318, 32.6221



17.0959, 13.6407, 12.2672



5.5369, 5.4753, 6.3253



11.5221, 5.7658, 8.4004



0.1211, 0.0595, 0.1377

Previews

White Background



This preview shows how the XYZ color 16.8704, 23.4028, 18.3799 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 16.8704, 23.4028, 18.3799 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 16.8704, 23.4028, 18.3799

Background



This preview shows how black text looks on a background with the XYZ color 16.8704, 23.4028, 18.3799.



This preview shows how white text looks on a background with the XYZ color 16.8704, 23.4028,

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

16.8704, 23.4028, 18.3799

Protanopia

21.7345, 23.1647, 16.4224

Deuteranopia

23.5755, 23.0690, 19.1298



Tritanopia

19.7879, 23.4773, 32.7668

Trichromacy



Original Color

16.8704, 23.4028, 18.3799

Protanomaly

19.4323, 22.9969, 17.0503

Deuteranomaly

20.4078, 22.8316, 18.9541

Tritanomaly

18.6311, 23.4507, 26.8370

Monochromacy



Original Color

16.8704, 23.4028, 18.3799

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1366, 21.2139, 20.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8704, 23.4028, 18.3799 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, 145, 110)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 110)  
}
```

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, 145, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 110) }
```

Border

The CSS property to change the border of an element to XYZ 16.8704, 23.4028, 18.3799 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, 145, 110) }
```


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

```
.border{ border-color:rgb(87, 145, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 110);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8704, 23.4028, 18.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 110) }
```

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

```
.background{ background-color: rgb(87, 145,  
110) }
```

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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