

Converting Colors

XYZ(16.4342, 23.2893, 16.7438)

Have a look what the booklet for
XYZ(16.4342, 23.2893, 16.7438)
contains.

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Color

**XYZ(16.3704, 23.1816,
16.7084)**

Conversions

Conversions Part 1

Format	Color
Hex	559168
RGB	85, 145, 104
RGB Percent	33%, 57%, 41%
CMY	0.6667, 0.4314, 0.5922
CMYK	0.41, 0.00, 0.28, 0.43
HSL	139°, 26%, 45%
HSV	139°, 41%, 57%
XYZ	16.3704, 23.1816, 16.7084
YIQ	122.3860, -22.5990, -25.4710

Conversions

Conversions Part 2

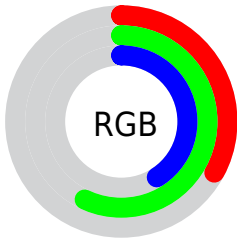
Format	Color
RYB	85, 131, 145
Decimal	5607784
CIELab	55.26, -28.96, 15.79
CIElCh	55, 32.982, 151.406
Yxy	23.1816, 0.2910, 0.4120
Android (android.graphics.Color)	4283797864 (0xFF559168)
YUV	122.3860, -9.0643, -32.7875
Hunter-Lab	48.1473, -23.5665, 13.1279

Details

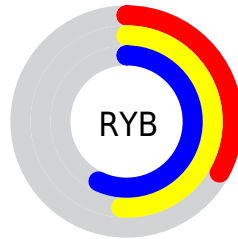
The XYZ color **16.3704, 23.1816, 16.7084** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.6922, 14.0236, 21.4611**, and the grayscale version is **18.6595, 19.6312, 21.3784**.

A 20% lighter version of the original color is **36.6563, 48.5318, 38.4459**, and **5.4009, 8.6409, 5.2541** is the 20% darker color. If you saturate the color by 10%, you get **14.7125, 22.3823, 14.1563**, and if you desaturate by 10%, it is **18.3585, 24.1455, 19.5857**.

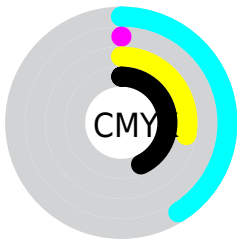
Distribution



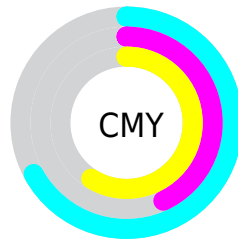
- Red (33%)
- Green (57%)
- Blue (41%)



- Red (33%)
- Yellow (51%)
- Blue (57%)



- Cyan (41%)
- Magenta (0%)
- Yellow (28%)
- Black (43%)



- Cyan (67%)
- Magenta (43%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3704, 23.1816, 16.7084 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 16.3704, 23.1816, 16.7084 by changing the saturation by 10% instead.

■ 16.3704, 23.1816,
16.7084

■ 16.3704, 23.1816,
16.7084

224.7452,
268.6564, 245.4731

■ 9.8791, 14.7277,
9.8671

■ 36.7923, 48.6913,
38.6075

■ 5.3805, 8.6285,
5.2064

■ 51.4537, 66.5159,
54.5023

■ 2.5093, 4.4997,
2.3080

■ 69.5692, 88.2329,
74.2520

■ 0.8999, 1.9568,
0.7357

■ 91.5041, 114.2265,
98.2752

■ 0.0000, 0.5822,
0.0000

■ 117.6238,
144.8813, 126.9903

■ 0.0000, 0.0000,
0.0000

148.2936,

180.5816, 160.8160

183.8790,
221.7118, 200.1708

■ 16.3704, 23.1816,
16.7084

■ 16.3704, 23.1816,
16.7084

■ 14.7125, 22.3823,
14.1563

■ 18.3585, 24.1455,
19.5857

■ 13.3642, 21.7355,
11.9164

■ 20.6921, 25.2799,
22.7976

■ 12.3057, 21.2316,
9.9769


■ 23.3877, 26.5935,
26.3550


■ 11.5137, 20.8591,
8.3248


■ 26.4601, 28.0940,
30.2679

■ 10.9612, 20.6042,
6.9461


■ 29.9235, 29.7884,
34.5458

 10.6174, 20.4483,
5.9636

 33.7912, 31.6833,
39.1979

 38.0758, 33.7851,
44.2331

 42.7895, 36.0998,
49.6599

 47.9439, 38.6334,
55.4866

Harmonies

Analogous

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



18.5378, 23.1816, 11.5628



16.3704, 23.1816, 16.7084



15.6722, 23.1816, 25.7429

Triad

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



16.3704, 23.1816, 16.7084



22.2080, 23.1816, 51.5039



28.6636, 23.1816, 16.0608

Complementary

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



16.3704, 23.1816, 16.7084



18.6922, 14.0236, 21.4611

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.



29.9181, 23.1816, 24.7454



16.3704, 23.1816, 16.7084



25.9429, 23.1816, 46.8692

Square

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



16.3704, 23.1816, 16.7084



18.8080, 23.1816, 47.6267



28.8716, 23.1816, 36.2732



25.6080, 23.1816, 11.2689

Rectangle

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



16.3704, 23.1816, 16.7084



16.0638, 23.1816, 33.4105



28.8716, 23.1816, 36.2732



29.3243, 23.1816, 18.5249

Sweetspot

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



16.3710, 23.1826, 16.7089



41.4355, 47.4052, 46.6164



20.5183, 25.4198, 12.4196



9.0919, 10.4844, 10.2064



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.



16.3710, 23.1826, 16.7089



26.4377, 40.1255, 25.4958



18.1061, 23.8766, 25.8456



5.4089, 6.0558, 6.1190



9.1173, 17.5428, 5.1716



0.0963, 0.1714, 0.0976

Inverse Universe

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



18.6922, 14.0236, 21.4611



31.1884, 21.3453, 35.1965



17.0839, 13.3802, 12.9918



5.5546, 5.4824, 6.4183



11.9631, 5.9422, 10.7227



0.1244, 0.0608, 0.1553

Previews

White Background



This preview shows how the XYZ color 16.3704, 23.1816, 16.7084 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 16.3704, 23.1816, 16.7084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

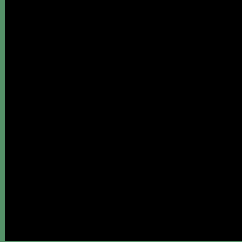
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3704, 23.1816, 16.7084

Background



This preview shows how black text looks on a background with the XYZ color 16.3704, 23.1816, 16.7084.



This preview shows how white text looks on a background with the XYZ color 16.3704, 23.1816,

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

16.3704, 23.1816, 16.7084

Protanopia

21.4404, 23.0471, 14.8738

Deuteranopia

23.4330, 23.0338, 17.3983



Tritanopia

19.4570, 23.1001, 32.2874

Trichromacy



Original Color

16.3704, 23.1816, 16.7084

Protanomaly

19.1311, 22.8764, 15.4639

Deuteranomaly

20.0810, 22.7009, 17.2333

Tritanomaly

18.0729, 22.9674, 25.6709

Monochromacy



Original Color

16.3704, 23.1816, 16.7084

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.3838, 20.4543, 19.2515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3704, 23.1816, 16.7084 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, 145, 104)` looks like.

```
.text, #text, p{  
    color:rgb(85, 145, 104)  
}
```

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, 145, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 145, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.3704, 23.1816, 16.7084 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, 145, 104) }
```


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

```
.border{ border-color:rgb(85, 145, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 145, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 145, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 145, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 145,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3704, 23.1816, 16.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 145, 104) }
```

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

```
.background{ background-color: rgb(85, 145,  
104) }
```

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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