

Converting Colors

XYZ(17.8304, 23.5240, 15.5668)

Have a look what the booklet for
XYZ(17.8304, 23.5240, 15.5668)
contains.

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Color

**XYZ(17.8316, 23.5081,
15.6543)**

Conversions

Conversions Part 1

Format	Color
Hex	688F64
RGB	104, 143, 100
RGB Percent	41%, 56%, 39%
CMY	0.5922, 0.4392, 0.6078
CMYK	0.27, 0.00, 0.30, 0.44
HSL	114°, 18%, 48%
HSV	114°, 30%, 56%
XYZ	17.8316, 23.5081, 15.6543
YIQ	126.4370, -9.4410, -21.6410

Conversions

Conversions Part 2

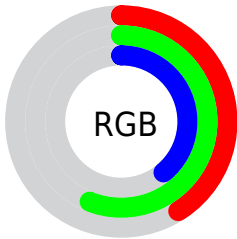
Format	Color
R_{YB}	100, 143, 139
Decimal	6852452
CIE _{Lab}	55.59, -22.35, 18.66
CIE _{LCh}	56, 29.117, 140.144
Yxy	23.5081, 0.3129, 0.4125
Android (android.graphics.Color)	4285042532 (0xFF688F64)
YUV	126.4370, -13.0334, -19.6772
Hunter-Lab	48.4852, -19.2013, 14.7968

Details

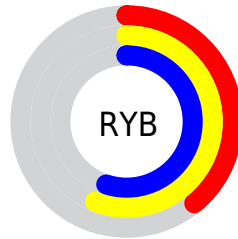
The XYZ color **17.8316, 23.5081, 15.6543** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1637, 16.5873, 28.1268**, and the grayscale version is **20.0260, 21.0689, 22.9440**.

A 20% lighter version of the original color is **39.2625, 49.2348, 36.7121**, and **6.0453, 8.7236, 4.7334** is the 20% darker color. If you saturate the color by 10%, you get **15.8079, 22.5386, 12.2583**, and if you desaturate by 10%, it is **20.2096, 24.6476, 19.7021**.

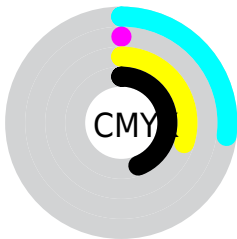
Distribution



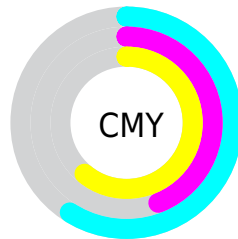
- Red (41%)
- Green (56%)
- Blue (39%)



- Red (39%)
- Yellow (56%)
- Blue (55%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (59%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8316, 23.5081, 15.6543 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 17.8316, 23.5081, 15.6543 by changing the saturation by 10% instead.

■ 17.8316, 23.5081,
15.6543

■ 17.8316, 23.5081,
15.6543

232.9841,
270.3241, 239.0687

■ 10.9281, 14.9691,
9.1282

■ 39.2825, 49.2263,
36.7554

■ 6.0854, 8.7977,
4.7269

■ 54.5606, 67.1743,
52.1675

■ 2.9383, 4.6095,
2.0320

■ 73.3610, 89.0275,
71.3786

■ 1.1212, 2.0200,
0.5749

■ 96.0490, 115.1701,
94.8072

■ 0.0427, 0.6191,
0.0000

122.9899,
145.9867, 122.8721

■ 0.0000, 0.0000,
0.0000

154.5492,

181.8617, 155.9916

191.0921,
223.1793, 194.5843

■ 17.8316, 23.5081,
15.6543

■ 17.8316, 23.5081,
15.6543

■ 15.8079, 22.5386,
12.2583

■ 20.2096, 24.6476,
19.7021

■ 14.1199, 21.7282,
9.4787

■ 22.9559, 25.9615,
24.4317

■ 12.7498, 21.0692,
7.2788


■ 26.0859, 27.4579,
29.8729


■ 11.6776, 20.5521,
5.6178


■ 29.6136, 29.1434,
36.0536


■ 10.8809, 20.1664,
4.4492

■ 33.5524, 31.0242,
42.9999


 10.3341, 19.9001,
3.7190

 37.9147, 33.1063,
50.7367

 9.9934, 19.7338,
3.2823

 42.7129, 35.3956,
59.2880

 47.9585, 37.8974,
68.6765

 53.6628, 40.6172,
78.9241

Harmonies

Analogous

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



20.2356, 23.5081, 12.0786



17.8316, 23.5081, 15.6543



16.6736, 23.5081, 22.6193

Triad

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



17.8316, 23.5081, 15.6543



21.2785, 23.5081, 47.9120



28.8233, 23.5081, 19.8512

Complementary

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



17.8316, 23.5081, 15.6543



20.1637, 16.5873, 28.1268

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.



29.1725, 23.5081, 28.8238



17.8316, 23.5081, 15.6543



24.5935, 23.5081, 46.6465

Square

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



17.8316, 23.5081, 15.6543



18.5306, 23.5081, 42.1717



27.5593, 23.5081, 39.0482



26.6471, 23.5081, 14.0570

Rectangle

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



17.8316, 23.5081, 15.6543



16.6781, 23.5081, 28.9210



27.5593, 23.5081, 39.0482



29.1659, 23.5081, 22.5367

Sweetspot

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



17.8322, 23.5091, 15.6548



41.5739, 46.7133, 44.5570



22.8183, 25.1394, 15.7067



9.3736, 10.6358, 9.9405



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.



17.8322, 23.5091, 15.6548



29.4397, 40.9039, 23.8392



18.3014, 23.6444, 20.4913



5.3865, 6.0519, 5.7736



8.8446, 17.4521, 2.9024



0.0919, 0.1707, 0.0281

Inverse Universe

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



20.1637, 16.5873, 28.1268



34.2953, 26.4711, 49.8399



19.6387, 16.4558, 21.8131



5.5775, 5.4859, 6.7937



12.4925, 5.9337, 23.4640



0.1288, 0.0615, 0.2248

Previews

White Background



This preview shows how the XYZ color 17.8316, 23.5081, 15.6543 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 17.8316, 23.5081, 15.6543 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 17.8316, 23.5081, 15.6543

Background



This preview shows how black text looks on a background with the XYZ color 17.8316, 23.5081, 15.6543.



This preview shows how white text looks on a background with the XYZ color 17.8316, 23.5081,

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

17.8316, 23.5081, 15.6543

Protanopia

21.7808, 23.4409, 14.2031

Deuteranopia

23.5551, 23.1266, 16.0544



Tritanopia

20.9730, 23.4742, 31.4425

Trichromacy



Original Color

17.8316, 23.5081, 15.6543

Protanomaly

20.1566, 23.4215, 14.7677

Deuteranomaly

20.9391, 22.9686, 15.9001

Tritanomaly

19.6360, 23.3551, 24.9458

Monochromacy



Original Color

17.8316, 23.5081, 15.6543

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9334, 21.6384, 20.0084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8316, 23.5081, 15.6543 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, 143, 100)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 100)  
}
```

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, 143, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 100) }
```

Border

The CSS property to change the border of an element to XYZ 17.8316, 23.5081, 15.6543 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, 143, 100) }
```


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

```
.border{ border-color:rgb(104, 143, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 100);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8316, 23.5081, 15.6543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 100) }
```

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

```
.background{ background-color: rgb(104,  
143, 100) }
```

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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