

Converting Colors

XYZ(18.1162, 23.5816, 20.0168)

Have a look what the booklet for
XYZ(18.1162, 23.5816, 20.0168)
contains.

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Color

**XYZ(18.1204, 23.5585,
20.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	638F74
RGB	99, 143, 116
RGB Percent	39%, 56%, 45%
CMY	0.6118, 0.4392, 0.5451
CMYK	0.31, 0.00, 0.19, 0.44
HSL	143°, 18%, 47%
HSV	143°, 31%, 56%
XYZ	18.1204, 23.5585, 20.1152
YIQ	126.7660, -17.5570, -17.7250

Conversions

Conversions Part 2

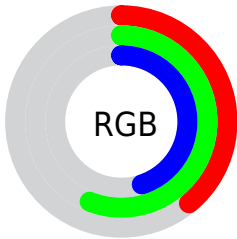
Format	Color
R _Y B	99, 131, 143
Decimal	6524788
CIE Lab	55.64, -21.04, 9.62
CIE LCh	56, 23.129, 155.435
Yxy	23.5585, 0.2932, 0.3812
Android (android.graphics.Color)	4284714868 (0xFF638F74)
YUV	126.7660, -5.3076, -24.3508
Hunter-Lab	48.5371, -18.3004, 9.4045

Details

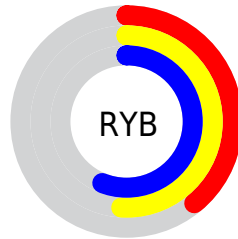
The XYZ color **18.1204, 23.5585, 20.1152** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5562, 16.2702, 21.8493**, and the grayscale version is **20.1149, 21.1625, 23.0460**.

A 20% lighter version of the original color is **39.7966, 49.3390, 44.4717**, and **6.1859, 8.7498, 6.8317** is the 20% darker color. If you saturate the color by 10%, you get **16.2078, 22.6294, 17.4860**, and if you desaturate by 10%, it is **20.3592, 24.6515, 23.0124**.

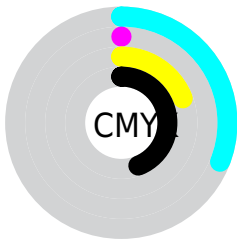
Distribution



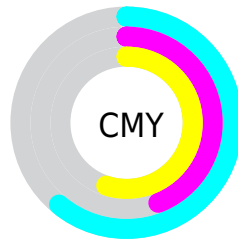
- Red (39%)
- Green (56%)
- Blue (45%)



- Red (39%)
- Yellow (51%)
- Blue (56%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (61%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1204, 23.5585, 20.1152 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 18.1204, 23.5585, 20.1152 by changing the saturation by 10% instead.

■ 18.1204, 23.5585,
20.1152

■ 18.1204, 23.5585,
20.1152

234.5813,
270.5807, 265.1629

■ 11.1367, 15.0064,
12.2939

■ 39.7709, 49.3088,
44.4717

■ 6.2268, 8.8239,
6.8192

■ 55.1683, 67.2758,
61.8441

■ 3.0254, 4.6265,
3.2726

■ 74.1010, 89.1499,
83.2372

■ 1.1672, 2.0298,
1.2354

■ 96.9344, 115.3155,
109.0696

■ 0.0803, 0.6247,
0.0080

124.0337,
146.1570, 139.7598

■ 0.0000, 0.0000,
0.0000

155.7644,

182.0587, 175.7264

192.4918,
223.4052, 217.3879

■ 18.1204, 23.5585,
20.1152

■ 18.1204, 23.5585,
20.1152

■ 16.2078, 22.6294,
17.4860

■ 20.3592, 24.6515,
23.0124

■ 14.6036, 21.8532,
15.1155

■ 22.9370, 25.9129,
26.1835

■ 13.2910, 21.2221,
12.9963


■ 25.8685, 27.3507,
29.6360


■ 12.2510, 20.7264,
11.1198


■ 29.1666, 28.9716,
33.3766


■ 11.4620, 20.3552,
9.4771


■ 32.8437, 30.7817,
37.4121


 10.8988, 20.0957,
8.0584

 36.9118, 32.7871,
41.7487

 10.5185, 19.9240,
6.9372

 41.3820, 34.9934,
46.3926

 46.2652, 37.4061,
51.3497

 51.5718, 40.0305,
56.6259

Harmonies

Analogous

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



19.5995, 23.5585, 15.6111



18.1204, 23.5585, 20.1152



17.7472, 23.5585, 27.0404

Triad

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



18.1204, 23.5585, 20.1152



22.8716, 23.5585, 42.8355



26.7462, 23.5585, 18.1712

Complementary

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



18.1204, 23.5585, 20.1152



19.5562, 16.2702, 21.8493

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.



27.7830, 23.5585, 24.3104



18.1204, 23.5585, 20.1152



25.4372, 23.5585, 39.2735

Square

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



18.1204, 23.5585, 20.1152



20.3645, 23.5585, 41.1146



27.2863, 23.5585, 32.1198



24.5490, 23.5585, 14.6513

Rectangle

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



18.1204, 23.5585, 20.1152



18.1485, 23.5585, 32.3508



27.2863, 23.5585, 32.1198



27.2495, 23.5585, 19.9470

Sweetspot

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



18.1210, 23.5595, 20.1157



41.8615, 46.7894, 47.8314



20.6992, 24.9926, 15.5377



9.4482, 10.6556, 10.7872



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.



18.1210, 23.5595, 20.1157



29.9888, 40.9921, 32.6711



19.5466, 24.1297, 27.6225



5.4237, 6.0617, 6.1973



9.3096, 17.6197, 6.1846



0.0992, 0.1725, 0.1129

Inverse Universe

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



19.5562, 16.2702, 21.8493



32.9844, 25.7665, 36.2819



18.2956, 15.7659, 15.2114



5.5391, 5.4762, 6.3371



11.5746, 5.7869, 8.6772



0.1215, 0.0597, 0.1399

Previews

White Background



This preview shows how the XYZ color 18.1204, 23.5585, 20.1152 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 18.1204, 23.5585, 20.1152 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 18.1204, 23.5585, 20.1152

Background



This preview shows how black text looks on a background with the XYZ color 18.1204, 23.5585, 20.1152.



This preview shows how white text looks on a background with the XYZ color 18.1204, 23.5585,

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

18.1204, 23.5585, 20.1152

Protanopia

21.9357, 23.2257, 18.3658

Deuteranopia

23.8114, 23.3496, 20.7047



Tritanopia

20.4572, 23.4111, 31.8743

Trichromacy



Original Color

18.1204, 23.5585, 20.1152

Protanomaly

20.2422, 23.1605, 19.0263

Deuteranomaly

21.1733, 22.9886, 20.4608

Tritanomaly

19.4870, 23.4459, 27.1653

Monochromacy



Original Color

18.1204, 23.5585, 20.1152

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2988, 21.9870, 21.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1204, 23.5585, 20.1152 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(99, 143, 116)` looks like.

```
.text, #text, p{  
    color:rgb(99, 143, 116)  
}
```

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(99, 143, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 143, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.1204, 23.5585, 20.1152 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(99, 143, 116) }
```


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

```
.border{ border-color:rgb(99, 143, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 143, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 143, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 143, 116);  
box-shadow:4px 4px 4px 4px rgb(99, 143,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1204, 23.5585, 20.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 143, 116) }
```

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

```
.background{ background-color: rgb(99, 143,  
116) }
```

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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