

Converting Colors

XYZ(18.8420, 23.7785, 21.6347)

Have a look what the booklet for
XYZ(18.8420, 23.7785, 21.6347)
contains.

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Color

**XYZ(18.8331, 23.6695,
21.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	688E79
RGB	104, 142, 121
RGB Percent	41%, 56%, 47%
CMY	0.5922, 0.4431, 0.5255
CMYK	0.27, 0.00, 0.15, 0.44
HSL	147°, 15%, 48%
HSV	147°, 27%, 56%
XYZ	18.8331, 23.6695, 21.6652
YIQ	128.2440, -15.9070, -14.5870

Conversions

Conversions Part 2

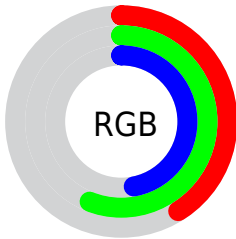
Format	Color
RYB	104, 130, 142
Decimal	6852217
CIELab	55.76, -17.80, 6.96
CIELCh	56, 19.106, 158.652
Yxy	23.6695, 0.2935, 0.3689
Android (android.graphics.Color)	4285042297 (0xFF688E79)
YUV	128.2440, -3.5713, -21.2620
Hunter-Lab	48.6513, -16.0418, 7.6531

Details

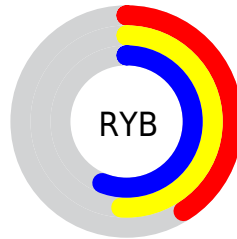
The XYZ color **18.8331, 23.6695, 21.6652** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8081, 17.1327, 21.6660**, and the grayscale version is **20.6190, 21.6928, 23.6234**.

A 20% lighter version of the original color is **40.9931, 49.5649, 46.9416**, and **6.5724, 8.9344, 7.5090** is the 20% darker color. If you saturate the color by 10%, you get **16.8598, 22.7063, 19.1622**, and if you desaturate by 10%, it is **21.1245, 24.7935, 24.3885**.

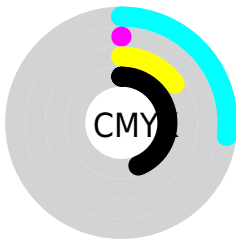
Distribution



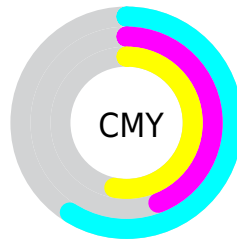
- Red (41%)
- Green (56%)
- Blue (47%)



- Red (41%)
- Yellow (51%)
- Blue (56%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)



- Cyan (59%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8331, 23.6695, 21.6652 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 18.8331, 23.6695, 21.6652 by changing the saturation by 10% instead.

■ 18.8331, 23.6695,
21.6652

■ 18.8331, 23.6695,
21.6652

238.4817,
271.1453, 273.6891

■ 11.6530, 15.0886,
13.4151

■ 40.9709, 49.4903,
47.0871

■ 6.5784, 8.8816,
7.5810

■ 56.6594, 67.4991,
65.0960

■ 3.2438, 4.6640,
3.7441

■ 75.9148, 89.4193,
87.1949

■ 1.2840, 2.0515,
1.4860

■ 99.1023, 115.6353,
113.8025

■ 0.1712, 0.6372,
0.2075

126.5874,
146.5315, 145.3371

■ 0.0000, 0.0000,
0.0000

158.7354,

182.4923, 182.2174

195.9117,
223.9021, 224.8619

■ 18.8331, 23.6695,
21.6652

■ 18.8331, 23.6695,
21.6652

■ 16.8598, 22.7063,
19.1622

■ 21.1245, 24.7935,
24.3885

■ 15.1878, 21.8933,
16.8724

■ 23.7457, 26.0823,
27.3359

■ 13.8017, 21.2233,
14.7905

■ 26.7106, 27.5435,
30.5130

■ 12.6839, 20.6875,
12.9106

■ 30.0313, 29.1833,
33.9247

■ 11.8146, 20.2758,
11.2261

■ 33.7194, 31.0076,
37.5759

■ 11.1712, 19.9765,
9.7305

■ 37.7862, 33.0221,
41.4712

■ 10.7163, 19.7707,
8.4158

■ 42.2421, 35.2321,
45.6152

■ 10.5854, 19.7116,
8.0266

■ 47.0975, 37.6429,
50.0122

■ 52.3622, 40.2593,
54.6666

Harmonies

Analogous

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



19.9923, 23.6695, 17.5266



18.8331, 23.6695, 21.6652



18.6219, 23.6695, 27.6104

Triad

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



18.8331, 23.6695, 21.6652



23.1302, 23.6695, 39.4706



25.9127, 23.6695, 19.0104

Complementary

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



18.8331, 23.6695, 21.6652



19.8081, 17.1327, 21.6660

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.



26.8758, 23.6695, 24.0172



18.8331, 23.6695, 21.6652



25.2030, 23.6695, 36.2668

Square

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



18.8331, 23.6695, 21.6652



21.0133, 23.6695, 38.5696



26.6080, 23.6695, 30.3677



24.0493, 23.6695, 16.1739

Rectangle

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



18.8331, 23.6695, 21.6652



19.0332, 23.6695, 31.9318



26.6080, 23.6695, 30.3677



26.3578, 23.6695, 20.4602

Sweetspot

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



18.8337, 23.6705, 21.6657



41.1862, 45.6545, 47.4478



20.7080, 24.7467, 16.7822



9.0528, 10.1251, 10.4356



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.



18.8337, 23.6705, 21.6657



31.0893, 40.7022, 35.5515



20.0771, 24.1678, 28.2130



5.4369, 6.0670, 6.2664



9.5127, 17.7010, 7.2541



0.1018, 0.1736, 0.1264

Inverse Universe

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



19.8081, 17.1327, 21.6660



33.0988, 27.2150, 35.5491



18.7357, 16.7037, 16.0186



5.5257, 5.4708, 6.2666



11.2753, 5.6671, 7.1009



0.1189, 0.0586, 0.1265

Previews

White Background



This preview shows how the XYZ color 18.8331, 23.6695, 21.6652 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 18.8331, 23.6695, 21.6652 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 18.8331, 23.6695, 21.6652

Background



This preview shows how black text looks on a background with the XYZ color 18.8331, 23.6695, 21.6652.



This preview shows how white text looks on a background with the XYZ color 18.8331, 23.6695,

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

18.8331, 23.6695, 21.6652

Protanopia

22.1874, 23.5250, 19.8944

Deuteranopia

23.8828, 23.5453, 22.3547



Tritanopia

20.9437, 23.6619, 31.8971

Trichromacy



Original Color

18.8331, 23.6695, 21.6652

Protanomaly

20.6784, 23.3519, 20.5571

Deuteranomaly

21.7731, 23.4668, 22.1209

Tritanomaly

20.0772, 23.5175, 27.9072

Monochromacy



Original Color

18.8331, 23.6695, 21.6652

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.6969, 22.1777, 22.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8331, 23.6695, 21.6652 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, 142, 121)` looks like.

```
.text, #text, p{  
    color:rgb(104, 142, 121)  
}
```

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, 142, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 142, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.8331, 23.6695, 21.6652 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, 142, 121) }
```


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

```
.border{ border-color:rgb(104, 142, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 142, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 142, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 142, 121);  
box-shadow:4px 4px 4px 4px rgb(104, 142,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8331, 23.6695, 21.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 142, 121) }
```

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

```
.background{ background-color: rgb(104,  
142, 121) }
```

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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