

Converting Colors

XYZ(19.4384, 23.0495, 19.6443)

Have a look what the booklet for
XYZ(19.4384, 23.0495, 19.6443)
contains.

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Color

**XYZ(19.5191, 23.1967,
19.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	758A73
RGB	117, 138, 115
RGB Percent	46%, 54%, 45%
CMY	0.5412, 0.4588, 0.5490
CMYK	0.15, 0.00, 0.17, 0.46
HSL	115°, 9%, 50%
HSV	115°, 17%, 54%
XYZ	19.5191, 23.1967, 19.6683
YIQ	129.0990, -5.1330, -11.6050

Conversions

Conversions Part 2

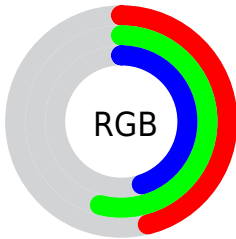
Format	Color
R_{YB}	115, 138, 136
Decimal	7703155
CIE _{Lab}	55.27, -12.22, 9.83
CIE _{LCh}	55, 15.687, 141.199
Yxy	23.1967, 0.3129, 0.3718
Android (android.graphics.Color)	4285893235 (0xFF758A73)
YUV	129.0990, -6.9508, -10.6108
Hunter-Lab	48.1630, -11.9441, 9.5018

Details

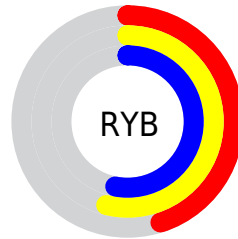
The XYZ color **19.5191, 23.1967, 19.6683** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8725, 19.3314, 26.6772**, and the grayscale version is **20.9263, 22.0161, 23.9756**.

A 20% lighter version of the original color is **41.9680, 48.4866, 43.7061**, and **6.8867, 8.6136, 6.6098** is the 20% darker color. If you saturate the color by 10%, you get **17.2032, 22.0885, 15.7204**, and if you desaturate by 10%, it is **22.1831, 24.4720, 24.2542**.

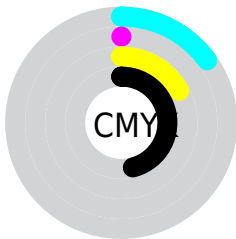
Distribution



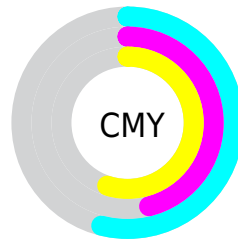
- Red (46%)
- Green (54%)
- Blue (45%)



- Red (45%)
- Yellow (54%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5191, 23.1967, 19.6683 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 19.5191, 23.1967, 19.6683 by changing the saturation by 10% instead.

■ 19.5191, 23.1967,
19.6683

■ 19.5191, 23.1967,
19.6683

242.1832,
268.7337, 262.6583

■ 12.1522, 14.7388,
11.9725

■ 42.1196, 48.7161,
43.7120

■ 6.9203, 8.6363,
6.6026

■ 58.0838, 66.5464,
60.8970

■ 3.4582, 4.5047,
3.1402

■ 77.6446, 88.2697,
82.0820

■ 1.4005, 1.9597,
1.1667

■ 101.1672,
114.2702, 107.6858

■ 0.2566, 0.5839,
0.0000

129.0170,
144.9325, 138.1268

■ 0.0000, 0.0000,
0.0000

161.5593,

180.6409, 173.8235

199.1596,
221.7799, 215.1945

■ 19.5191, 23.1967,
19.6683

■ 19.5191, 23.1967,
19.6683

■ 17.2032, 22.0885,
15.7204

■ 22.1831, 24.4720,
24.2542

■ 15.2192, 21.1376,
12.3807

■ 25.2068, 25.9177,
29.5028

■ 13.5525, 20.3377,
9.6194


■ 28.6036, 27.5409,
35.4397


■ 12.1865, 19.6812,
7.4038


■ 32.3856, 29.3474,
42.0884


■ 11.1032, 19.1593,
5.6976


■ 36.5644, 31.3426,
49.4715


 10.2827, 18.7629,
4.4604


 41.1511, 33.5317,
57.6105


 9.7023, 18.4811,
3.6454

 46.1564, 35.9199,
66.5260

 9.3312, 18.2999,
3.1725

 51.5905, 38.5119,
76.2378

 9.2405, 18.2560,
3.0367

 57.4633, 41.3125,
86.7651

Harmonies

Analogous

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



20.8489, 23.1967, 17.2701



19.5191, 23.1967, 19.6683



18.8758, 23.1967, 23.8061

Triad

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



19.5191, 23.1967, 19.6683



21.5351, 23.1967, 36.0722



25.3488, 23.1967, 21.9186

Complementary

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



19.5191, 23.1967, 19.6683



20.8725, 19.3314, 26.6772

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.



25.5565, 23.1967, 26.7662



19.5191, 23.1967, 19.6683



23.2917, 23.1967, 35.3908

Square

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



19.5191, 23.1967, 19.6683



19.9985, 23.1967, 33.5699



24.7859, 23.1967, 31.8158



24.2325, 23.1967, 18.4444

Rectangle

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



19.5191, 23.1967, 19.6683



18.8980, 23.1967, 27.1828



24.7859, 23.1967, 31.8158



25.5295, 23.1967, 23.4249

Sweetspot

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



19.5197, 23.1977, 19.6688



39.8891, 43.5115, 44.1159



22.3388, 24.1662, 19.7072



8.8778, 9.7264, 9.7754



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.5197, 23.1977, 19.6688



32.7997, 40.1194, 31.9223



19.8102, 23.2832, 22.5858



5.0096, 5.6277, 5.3746



8.4779, 16.7405, 2.7844



0.0609, 0.1136, 0.0187

Inverse Universe

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



20.8725, 19.3314, 26.6772



35.6471, 31.9794, 46.6770



20.5620, 19.2450, 23.3310



5.1917, 5.1073, 6.3180



12.1016, 5.7527, 22.5182



0.0862, 0.0412, 0.1499

Previews

White Background



This preview shows how the XYZ color 19.5191, 23.1967, 19.6683 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 19.5191, 23.1967, 19.6683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

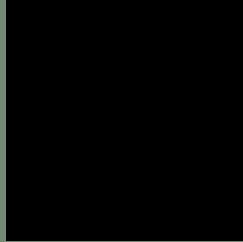
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5191, 23.1967, 19.6683

Background



This preview shows how black text looks on a background with the XYZ color 19.5191, 23.1967, 19.6683.



This preview shows how white text looks on a background with the XYZ color 19.5191, 23.1967,

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

19.5191, 23.1967, 19.6683

Protanopia

21.8234, 23.1613, 18.6496

Deuteranopia

23.3779, 22.9471, 20.0267



Tritanopia

21.6620, 23.2321, 30.1306

Trichromacy



Original Color

19.5191, 23.1967, 19.6683

Protanomaly

20.8658, 23.0677, 18.9756

Deuteranomaly

21.7499, 22.8968, 19.7962

Tritanomaly

20.7128, 23.0422, 25.9102

Monochromacy



Original Color

19.5191, 23.1967, 19.6683

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3468, 22.3177, 22.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5191, 23.1967, 19.6683 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(117, 138, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 115)  
}
```

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(117, 138, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.5191, 23.1967, 19.6683 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(117, 138, 115) }
```


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

```
.border{ border-color:rgb(117, 138, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5191, 23.1967, 19.6683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 115) }
```

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

```
.background{ background-color: rgb(117,  
138, 115) }
```

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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