

Converting Colors

XYZ(19.7736, 23.5015, 20.0634)

Have a look what the booklet for
XYZ(19.7736, 23.5015, 20.0634)
contains.

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Color

**XYZ(19.7211, 23.5081,
20.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	758B74
RGB	117, 139, 116
RGB Percent	46%, 55%, 45%
CMY	0.5412, 0.4549, 0.5451
CMYK	0.16, 0.00, 0.17, 0.45
HSL	117°, 9%, 50%
HSV	117°, 17%, 55%
XYZ	19.7211, 23.5081, 20.0211
YIQ	129.8000, -5.7290, -11.8170

Conversions

Conversions Part 2

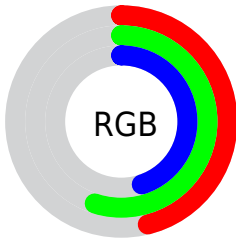
Format	Color
R_{YB}	116, 139, 138
Decimal	7703412
CIE _{Lab}	55.59, -12.58, 9.70
CIE _{LCh}	56, 15.888, 142.350
Yxy	23.5081, 0.3118, 0.3717
Android (android.graphics.Color)	4285893492 (0xFF758B74)
YUV	129.8000, -6.8034, -11.2256
Hunter-Lab	48.4852, -12.2450, 9.4568

Details

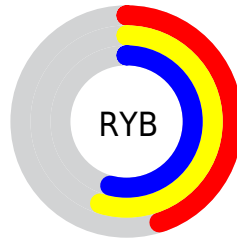
The XYZ color **19.7211, 23.5081, 20.0211** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3878, 19.7588, 27.1139**, and the grayscale version is **21.1727, 22.2753, 24.2578**.

A 20% lighter version of the original color is **42.5000, 49.4021, 44.3414**, and **6.9997, 8.7911, 6.7968** is the 20% darker color. If you saturate the color by 10%, you get **17.3110, 22.3529, 15.9988**, and if you desaturate by 10%, it is **22.5073, 24.8446, 24.6937**.

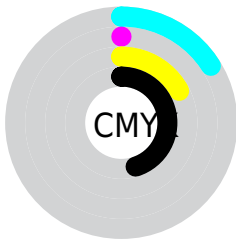
Distribution



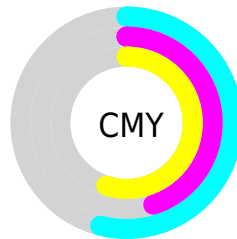
- Red (46%)
- Green (55%)
- Blue (45%)



- Red (45%)
- Yellow (55%)
- Blue (54%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)



- Cyan (54%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7211, 23.5081, 20.0211 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 19.7211, 23.5081, 20.0211 by changing the saturation by 10% instead.

■ 19.7211, 23.5081,
20.0211

■ 19.7211, 23.5081,
20.0211

243.2637,
270.3241, 264.6373

■ 12.2996, 14.9691,
12.2262

■ 42.4566, 49.2263,
44.3120

■ 7.0217, 8.7977,
6.7735

■ 58.5013, 67.1743,
61.6450

■ 3.5221, 4.6095,
3.2446

■ 78.1511, 89.0275,
82.9945

■ 1.4355, 2.0200,
1.2208

■ 101.7713,
115.1701, 108.7789

■ 0.2813, 0.6191,
0.0000

129.7273,
145.9867, 139.4169

■ 0.0000, 0.0000,
0.0000

162.3845,

181.8617, 175.3269

200.1081,
223.1793, 216.9276

■ 19.7211, 23.5081,
20.0211

■ 19.7211, 23.5081,
20.0211

■ 17.3110, 22.3529,
15.9988

■ 22.5073, 24.8446,
24.6937

■ 15.2591, 21.3683,
12.5964

■ 25.6827, 26.3665,
30.0418

■ 13.5488, 20.5471,
9.7836

■ 29.2621, 28.0816,
36.0915

■ 12.1617, 19.8805,
7.5269

■ 33.2592, 29.9963,
42.8668

■ 11.0772, 19.3588,
5.7895

■ 37.6866, 32.1168,
50.3906

■ 10.2730, 18.9712,
4.5300

■ 42.5569, 34.4489,
58.6849

■ 9.7230, 18.7055,
3.7008

■ 47.8817, 36.9984,
67.7707

■ 9.3925, 18.5453,
3.2224

■ 53.6724, 39.7706,
77.6682

■ 9.3087, 18.5051,
3.0812

■ 59.9401, 42.7707,
88.3970

Harmonies

Analogous

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



21.0569, 23.5081, 17.4999



19.7211, 23.5081, 20.0211



19.0948, 23.5081, 24.3030

Triad

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



19.7211, 23.5081, 20.0211



21.8875, 23.5081, 36.6952



25.6901, 23.5081, 22.0187

Complementary

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



19.7211, 23.5081, 20.0211



21.3878, 19.7588, 27.1139

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.



25.9417, 23.5081, 26.9347



19.7211, 23.5081, 20.0211



23.6820, 23.5081, 35.8692

Square

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



19.7211, 23.5081, 20.0211



20.3012, 23.5081, 34.2467



25.1892, 23.5081, 32.1209



24.5189, 23.5081, 18.5410

Rectangle

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



19.7211, 23.5081, 20.0211



19.1391, 23.5081, 27.7691



25.1892, 23.5081, 32.1209



25.8875, 23.5081, 23.5399

Sweetspot

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



19.7217, 23.5091, 20.0216



41.0794, 44.8615, 45.5225



22.8679, 24.8851, 20.1214



9.3882, 10.3000, 10.3592



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.



19.7217, 23.5091, 20.0216



33.5602, 41.2564, 32.9179



20.2244, 23.6947, 23.3656



4.9907, 5.6179, 5.3737



8.4050, 16.7029, 2.7810



0.0581, 0.1121, 0.0186

Inverse Universe

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



21.3878, 19.7588, 27.1139



37.1474, 33.1808, 48.1896



20.8329, 19.5560, 23.3246



5.2127, 5.1181, 6.3190



12.9344, 6.1821, 22.5572



0.0890, 0.0427, 0.1500

Previews

White Background



This preview shows how the XYZ color 19.7211, 23.5081, 20.0211 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 19.7211, 23.5081, 20.0211 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

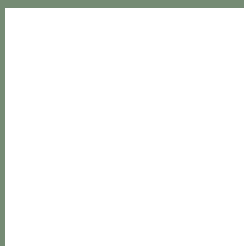
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7211, 23.5081, 20.0211

Background



This preview shows how black text looks on a background with the XYZ color 19.7211, 23.5081, 20.0211.



This preview shows how white text looks on a background with the XYZ color 19.7211, 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

19.7211, 23.5081, 20.0211

Protanopia

22.1834, 23.5428, 18.9978

Deuteranopia

23.7517, 23.3257, 20.3900



Tritanopia

21.8783, 23.5408, 30.5849

Trichromacy



Original Color

19.7211, 23.5081, 20.0211

Protanomaly

21.2170, 23.4484, 19.3273

Deuteranomaly

22.1096, 23.2759, 20.1570

Tritanomaly

20.9231, 23.3507, 26.3260

Monochromacy



Original Color

19.7211, 23.5081, 20.0211

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.5466, 22.6157, 22.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7211, 23.5081, 20.0211 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, 139, 116)` looks like.

```
.text, #text, p{  
    color:rgb(117, 139, 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(117, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 139, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.7211, 23.5081, 20.0211 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, 139, 116) }
```


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

```
.border{ border-color:rgb(117, 139, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 139, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(117, 139,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7211, 23.5081, 20.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 139, 116) }
```

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

```
.background{ background-color: rgb(117,  
139, 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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