

Converting Colors

XYZ(19.8743, 23.8515, 20.3441)

Have a look what the booklet for
XYZ(19.8743, 23.8515, 20.3441)
contains.

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Color

**XYZ(19.7914, 23.7535,
20.3714)**

Conversions

Conversions Part 1

Format	Color
Hex	748C75
RGB	116, 140, 117
RGB Percent	45%, 55%, 46%
CMY	0.5451, 0.4510, 0.5412
CMYK	0.17, 0.00, 0.16, 0.45
HSL	123°, 9%, 50%
HSV	123°, 17%, 55%
XYZ	19.7914, 23.7535, 20.3714
YIQ	130.2020, -6.9210, -12.2410

Conversions

Conversions Part 2

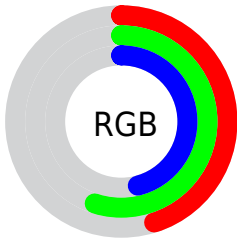
Format	Color
R_{YB}	116, 139, 140
Decimal	7638133
CIE _{Lab}	55.84, -13.30, 9.47
CIE _{LCh}	56, 16.328, 144.534
Yxy	23.7535, 0.3096, 0.3716
Android (android.graphics.Color)	4285828213 (0xFF748C75)
YUV	130.2020, -6.5086, -12.4552
Hunter-Lab	48.7376, -12.8053, 9.3342

Details

The XYZ color **19.7914, 23.7535, 20.3714** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7216, 19.9308, 27.1293**, and the grayscale version is **21.3142, 22.4242, 24.4199**.

A 20% lighter version of the original color is **42.6017, 49.7730, 44.8979**, and **7.0451, 8.9353, 6.9836** is the 20% darker color. If you saturate the color by 10%, you get **17.3357, 22.5729, 16.4296**, and if you desaturate by 10%, it is **22.6420, 25.1259, 24.9229**.

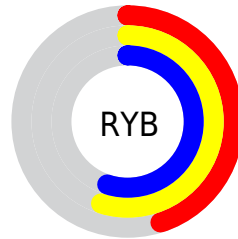
Distribution



Red (45%)

Green (55%)

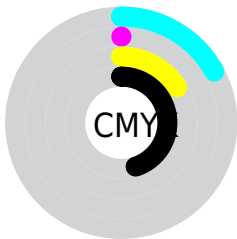
Blue (46%)



Red (45%)

Yellow (55%)

Blue (55%)

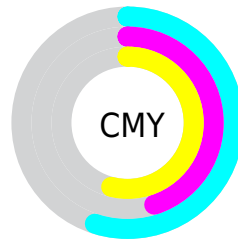


Cyan (17%)

Magenta (0%)

Yellow (16%)

Black (45%)



Cyan (55%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7914, 23.7535, 20.3714 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 19.7914, 23.7535, 20.3714 by changing the saturation by 10% instead.

■ 19.7914, 23.7535,
20.3714

■ 19.7914, 23.7535,
20.3714

243.6387,
271.5719, 266.5891

■ 12.3509, 15.1509,
12.4786

■ 42.5738, 49.6276,
44.9061

■ 7.0570, 8.9253,
6.9440

■ 58.6464, 67.6680,
62.3851

■ 3.5444, 4.6925,
3.3492

■ 78.3270, 89.6229,
83.8965

■ 1.4478, 2.0680,
1.2756

■ 101.9811,
115.8770, 109.8589

■ 0.2899, 0.6465,
0.0416

129.9740,
146.8145, 140.6908

■ 0.0000, 0.0000,
0.0000

162.6709,

182.8199, 176.8108

200.4374,
224.2776, 218.6374

■ 19.7914, 23.7535,
20.3714

■ 19.7914, 23.7535,
20.3714

■ 17.3357, 22.5729,
16.4296

■ 22.6420, 25.1259,
24.9229

■ 15.2557, 21.5728,
13.0703

■ 25.9018, 26.6950,
30.1068

■ 13.5333, 20.7452,
10.2661

■ 29.5867, 28.4693,
35.9466

■ 12.1486, 20.0804,
7.9874

■ 33.7113, 30.4556,
42.4641

■ 11.0792, 19.5675,
6.2013

■ 38.2894, 32.6607,
49.6800

■ 10.3003, 19.1946,
4.8715

■ 43.3342, 35.0910,
57.6143

■ 9.7835, 18.9479,
3.9567

■ 48.8585, 37.7527,
66.2861

■ 9.4816, 18.8041,
3.4074

■ 54.8745, 40.6516,
75.7136

■ 9.4105, 18.7699,
3.2946

■ 61.3938, 43.7934,
85.9148

Harmonies

Analogous

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



21.1263, 23.7535, 17.6302



19.7914, 23.7535, 20.3714



19.2052, 23.7535, 24.9015

Triad

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



19.7914, 23.7535, 20.3714



22.2385, 23.7535, 37.4395



25.9842, 23.7535, 21.8447

Complementary

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



19.7914, 23.7535, 20.3714



21.7216, 19.9308, 27.1293

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.



26.3219, 23.7535, 26.8500



19.7914, 23.7535, 20.3714



24.0926, 23.7535, 36.3285

Square

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



19.7914, 23.7535, 20.3714



20.5676, 23.7535, 35.1202



25.6124, 23.7535, 32.2634



24.7132, 23.7535, 18.3955

Rectangle

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



19.7914, 23.7535, 20.3714



19.2934, 23.7535, 28.5162



25.6124, 23.7535, 32.2634



26.2135, 23.7535, 23.3807

Sweetspot

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



19.7920, 23.7545, 20.3719



41.0292, 44.8314, 45.7096



23.2124, 25.5245, 20.2265



9.3754, 10.2923, 10.4072



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.



19.7920, 23.7545, 20.3719



32.9480, 40.9428, 32.7987



20.5304, 24.0498, 24.2599



4.9798, 5.6114, 5.4144



8.3632, 16.6778, 2.9371



0.0565, 0.1112, 0.0246

Inverse Universe

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



21.7216, 19.9308, 27.1293



37.0785, 32.7571, 47.2634



20.9051, 19.6042, 22.8299



5.2250, 5.1254, 6.2733



13.4453, 6.4882, 20.6472



0.0906, 0.0436, 0.1440

Previews

White Background



This preview shows how the XYZ color 19.7914, 23.7535, 20.3714 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 19.7914, 23.7535, 20.3714 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 19.7914, 23.7535, 20.3714

Background



This preview shows how black text looks on a background with the XYZ color 19.7914, 23.7535, 20.3714.



This preview shows how white text looks on a background with the XYZ color 19.7914, 23.7535,

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

19.7914, 23.7535, 20.3714

Protanopia

22.2400, 23.5654, 19.2960

Deuteranopia

24.1289, 23.7078, 20.7571



Tritanopia

21.9558, 23.7799, 31.0365

Trichromacy



Original Color

19.7914, 23.7535, 20.3714

Protanomaly

21.2587, 23.6714, 19.6682

Deuteranomaly

22.3050, 23.5720, 20.5138

Tritanomaly

20.9973, 23.5908, 26.7394

Monochromacy



Original Color

19.7914, 23.7535, 20.3714

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6842, 22.8908, 22.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7914, 23.7535, 20.3714 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(116, 140, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 140, 117)  
}
```

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(116, 140, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 140, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.7914, 23.7535, 20.3714 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(116, 140, 117) }
```


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

```
.border{ border-color:rgb(116, 140, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 140, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 140,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7914, 23.7535, 20.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 140, 117) }
```

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

```
.background{ background-color: rgb(116,  
140, 117) }
```

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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