

Converting Colors

XYZ(19.6616, 24.0154, 20.3106)

Have a look what the booklet for
XYZ(19.6616, 24.0154, 20.3106)
contains.

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Color

**XYZ(19.6752, 23.9115,
20.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	728D75
RGB	114, 141, 117
RGB Percent	45%, 55%, 46%
CMY	0.5529, 0.4470, 0.5412
CMYK	0.19, 0.00, 0.17, 0.45
HSL	127°, 11%, 50%
HSV	127°, 19%, 55%
XYZ	19.6752, 23.9115, 20.4080
YIQ	130.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

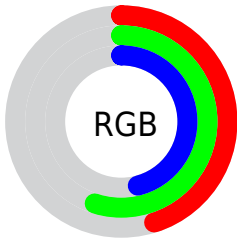
Format	Color
RYB	114, 138, 141
Decimal	7507317
CIELab	56.00, -14.56, 9.68
CIELCh	56, 17.487, 146.393
Yxy	23.9115, 0.3075, 0.3736
Android (android.graphics.Color)	4285697397 (0xFF728D75)
YUV	130.1910, -6.5032, -14.1995
Hunter-Lab	48.8994, -13.7525, 9.4851

Details

The XYZ color **19.6752, 23.9115, 20.4080** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5901, 19.5329, 26.6782**, and the grayscale version is **21.3107, 22.4205, 24.4159**.

A 20% lighter version of the original color is **42.4024, 50.0018, 44.9526**, and **6.9952, 9.0357, 7.0056** is the 20% darker color. If you saturate the color by 10%, you get **17.2924, 22.7633, 16.7039**, and if you desaturate by 10%, it is **22.4408, 25.2470, 24.6461**.

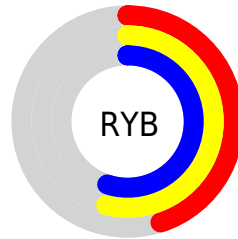
Distribution



Red (45%)

Green (55%)

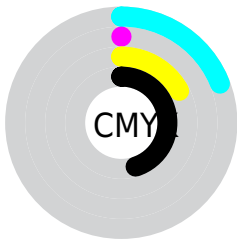
Blue (46%)



Red (45%)

Yellow (54%)

Blue (55%)

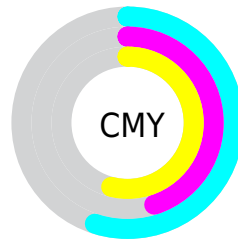


Cyan (19%)

Magenta (0%)

Yellow (17%)

Black (45%)



Cyan (55%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6752, 23.9115, 20.4080 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 19.6752, 23.9115, 20.4080 by changing the saturation by 10% instead.

■ 19.6752, 23.9115,
20.4080

■ 19.6752, 23.9115,
20.4080

243.0185,
272.3727, 266.7923

■ 12.2661, 15.2680,
12.5050

■ 42.3801, 49.8857,
44.9681

■ 6.9986, 9.0077,
6.9619

■ 58.4065, 67.9853,
62.4622

■ 3.5076, 4.7462,
3.3602

■ 78.0361, 90.0056,
83.9905

■ 1.4275, 2.0991,
1.2814

■ 101.6342,
116.3311, 109.9714

■ 0.2757, 0.6641,
0.0464

129.5661,
147.3461, 140.8235

■ 0.0000, 0.0000,
0.0000

162.1972,

183.4352, 176.9653

199.8929,
224.9826, 218.8154

■ 19.6752, 23.9115,
20.4080

■ 19.6752, 23.9115,
20.4080

■ 17.2924, 22.7633,
16.7039

■ 22.4408, 25.2470,
24.6461

■ 15.2736, 21.7912,
13.5112

■ 25.6029, 26.7743,
29.4367

■ 13.6014, 20.9872,
10.8078

■ 29.1772, 28.5019,
34.7991

■ 12.2562, 20.3419,
8.5696

■ 33.1776, 30.4367,
40.7513

■ 11.2164, 19.8446,
6.7704

■ 37.6177, 32.5850,
47.3105

■ 10.4577, 19.4835,
5.3812

■ 42.5102, 34.9533,
54.4934

■ 9.9523, 19.2448,
4.3698

■ 47.8676, 37.5475,
62.3157

■ 9.6394, 19.0980,
3.6976

■ 53.7015, 40.3735,
70.7927

■ 9.6164, 19.0871,
3.6546

■ 60.0235, 43.4367,
79.9393

Harmonies

Analogous

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



21.0617, 23.9115, 17.3708



19.6752, 23.9115, 20.4080



19.1044, 23.9115, 25.3495

Triad

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



19.6752, 23.9115, 20.4080



22.4863, 23.9115, 38.6330



26.3453, 23.9115, 21.4443

Complementary

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



19.6752, 23.9115, 20.4080



21.5901, 19.5329, 26.6782

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.



26.7812, 23.9115, 26.7339



19.6752, 23.9115, 20.4080



24.4782, 23.9115, 37.1877

Square

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



19.6752, 23.9115, 20.4080



20.6663, 23.9115, 36.3167



26.0795, 23.9115, 32.6128



24.9206, 23.9115, 17.9047

Rectangle

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



19.6752, 23.9115, 20.4080



19.2371, 23.9115, 29.2660



26.0795, 23.9115, 32.6128



26.6158, 23.9115, 23.0520

Sweetspot

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



19.6758, 23.9125, 20.4085



41.8205, 46.0004, 46.6211



23.0941, 25.6947, 19.6623



9.2735, 10.2418, 10.3108



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.



19.6758, 23.9125, 20.4085



33.2987, 41.8877, 33.5503



20.5078, 24.2453, 24.7893



5.3657, 6.0385, 5.8919



8.7713, 17.4044, 3.3496



0.0877, 0.1679, 0.0522

Inverse Universe

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



21.5901, 19.5329, 26.6782



37.3787, 32.5516, 46.9122



20.6915, 19.1735, 21.9460



5.6008, 5.5009, 6.6618



13.4141, 6.5227, 18.3639



0.1330, 0.0643, 0.2007

Previews

White Background



This preview shows how the XYZ color 19.6752, 23.9115, 20.4080 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 19.6752, 23.9115, 20.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

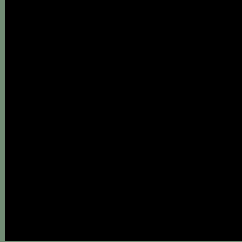
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6752, 23.9115, 20.4080

Background



This preview shows how black text looks on a background with the XYZ color 19.6752, 23.9115, 20.4080.



This preview shows how white text looks on a background with the XYZ color 19.6752, 23.9115,

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

19.6752, 23.9115, 20.4080

Protanopia

22.4902, 23.9052, 19.0516

Deuteranopia

24.1289, 23.7078, 20.7571



Tritanopia

21.8987, 23.9514, 31.4859

Trichromacy



Original Color

19.6752, 23.9115, 20.4080

Protanomaly

21.3430, 23.9315, 19.4139

Deuteranomaly

22.1388, 23.4863, 20.5060

Tritanomaly

20.9400, 23.7650, 27.1504

Monochromacy



Original Color

19.6752, 23.9115, 20.4080

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.5389, 22.8159, 22.7234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6752, 23.9115, 20.4080 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(114, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(114, 141, 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(114, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 141, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.6752, 23.9115, 20.4080 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(114, 141, 117) }
```


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

```
.border{ border-color:rgb(114, 141, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 141, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 141, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 141, 117);  
box-shadow:4px 4px 4px 4px rgb(114, 141,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6752, 23.9115, 20.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 141, 117) }
```

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

```
.background{ background-color: rgb(114,  
141, 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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