

Converting Colors

XYZ(18.9731, 20.7790, 19.5414)

Have a look what the booklet for
XYZ(18.9731, 20.7790, 19.5414)
contains.

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Color

**XYZ(19.0399, 20.9103,
19.5556)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8074
RGB	123, 128, 116
RGB Percent	48%, 50%, 45%
CMY	0.5176, 0.4980, 0.5451
CMYK	0.04, 0.00, 0.09, 0.50
HSL	85°, 5%, 48%
HSV	85°, 9%, 50%
XYZ	19.0399, 20.9103, 19.5556
YIQ	125.1370, 0.8720, -4.7920

Conversions

Conversions Part 2

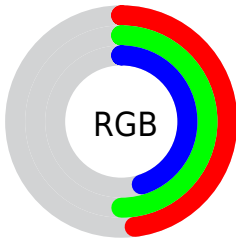
Format	Color
R_{YB}	116, 128, 121
Decimal	8093812
CIE Lab	52.85, -4.21, 5.87
CIE LCh	53, 7.224, 125.685
Yxy	20.9103, 0.3200, 0.3514
Android (android.graphics.Color)	4286283892 (0xFF7B8074)
YUV	125.1370, -4.5045, -1.8741
Hunter-Lab	45.7278, -5.7007, 6.6539

Details

The XYZ color **19.0399, 20.9103, 19.5556** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0278, 18.1149, 22.9697**, and the grayscale version is **19.5541, 20.5724, 22.4034**.

A 20% lighter version of the original color is **41.2710, 44.9889, 43.5543**, and **6.6634, 7.4652, 6.5586** is the 20% darker color. If you saturate the color by 10%, you get **17.6036, 20.2506, 15.8658**, and if you desaturate by 10%, it is **20.6216, 21.6343, 23.7887**.

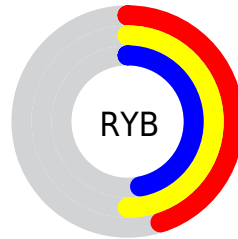
Distribution



Red (48%)

Green (50%)

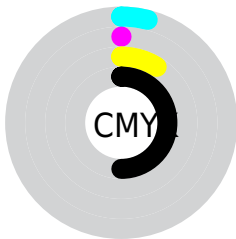
Blue (45%)



Red (45%)

Yellow (50%)

Blue (47%)

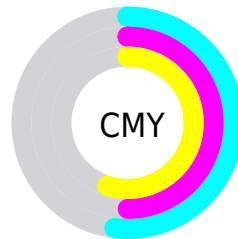


Cyan (4%)

Magenta (0%)

Yellow (9%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0399, 20.9103, 19.5556 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 19.0399, 20.9103, 19.5556 by changing the saturation by 10% instead.

■ 19.0399, 20.9103,
19.5556

■ 19.0399, 20.9103,
19.5556

239.6028,
256.8014, 262.0232

■ 11.8033, 13.0585,
11.8916

■ 41.3179, 44.9382,
43.5200

■ 6.6811, 7.4688,
6.5482

■ 57.0899, 61.8830,
60.6574

■ 3.3080, 3.7570,
3.1071

■ 76.4378, 82.6277,
81.7897

■ 1.3187, 1.5386,
1.1496

99.7270, 107.5565,
107.3354

■ 0.1971, 0.3156,
0.0000

127.3227,
137.0539, 137.7131

■ 0.0000, 0.0000,
0.0000

159.5903,

171.5042, 173.3412

196.8953,
211.2919, 214.6385

■ 19.0399, 20.9103,
19.5556

■ 19.0399, 20.9103,
19.5556

■ 17.6036, 20.2506,
15.8658

■ 20.6216, 21.6343,
23.7887

■ 16.3061, 19.6506,
12.6960

■ 22.3516, 22.4218,
28.5845

■ 15.1429, 19.1089,
10.0230

■ 24.2348, 23.2755,
33.9631

■ 14.1085, 18.6233,
7.8217

■ 26.2753, 24.1971,
39.9431

■ 13.1970, 18.1914,
6.0645

■ 28.4771, 25.1884,
46.5425

■ 12.4019, 17.8104,
4.7209

■ 30.8441, 26.2509,
53.7783

■ 11.7160, 17.4774,
3.7568

■ 33.3799, 27.3862,
61.6671

■ 11.1308, 17.1890,
3.1325

■ 36.0881, 28.5958,
70.2246

■ 10.6237, 16.9359,
2.7319

■ 38.9723, 29.8810,
79.4662

Harmonies

Analogous

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



19.7312, 20.9103, 18.8768



19.0399, 20.9103, 19.5556



18.5810, 20.9103, 21.0987

Triad

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



19.0399, 20.9103, 19.5556



19.2830, 20.9103, 26.7698



21.3542, 20.9103, 22.3584

Complementary

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



19.0399, 20.9103, 19.5556



18.0278, 18.1149, 22.9697

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.



21.2269, 20.9103, 24.5226



19.0399, 20.9103, 19.5556



20.0188, 20.9103, 27.1597

Square

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



19.0399, 20.9103, 19.5556



18.7189, 20.9103, 25.2797



20.7334, 20.9103, 26.3137



21.0770, 20.9103, 20.4280

Rectangle

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



19.0399, 20.9103, 19.5556



18.4621, 20.9103, 22.4565



20.7334, 20.9103, 26.3137



21.3574, 20.9103, 23.0819

Sweetspot

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



19.0405, 20.9112, 19.5561



35.2475, 37.6052, 39.0162



18.8927, 19.5257, 19.2964



8.2041, 8.7823, 9.0049



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.0405, 20.9112, 19.5561



33.0280, 36.5888, 33.1387



18.2084, 20.4822, 19.5171



4.4974, 4.9329, 4.6352



10.5051, 16.7780, 2.6848



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.0278, 18.1149, 22.9697



30.9146, 30.7530, 40.2628



18.8949, 18.5619, 23.0102



4.2655, 4.2925, 5.4170



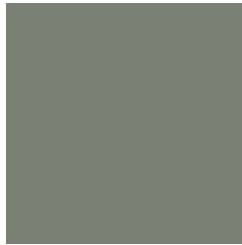
5.3396, 2.3064, 20.4137



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0399, 20.9103, 19.5556 looks on a white background.

Color Contrast Check

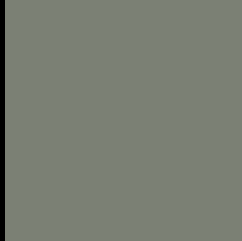
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0399, 20.9103, 19.5556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

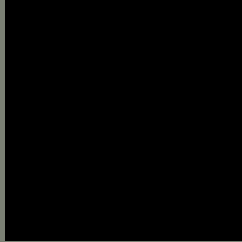
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

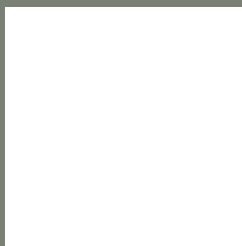
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0399, 20.9103, 19.5556

Background



This preview shows how black text looks on a background with the XYZ color 19.0399, 20.9103, 19.5556.



This preview shows how white text looks on a background with the XYZ color 19.0399, 20.9103,

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

19.0399, 20.9103, 19.5556

Protanopia

19.9154, 20.9848, 19.2205

Deuteranopia

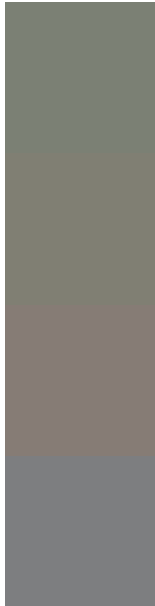
21.1549, 20.8661, 19.7422



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

19.0399, 20.9103, 19.5556

Protanomaly

19.5860, 21.0057, 19.2419

Deuteranomaly

20.2501, 20.7680, 19.7710

Tritanomaly

19.8146, 20.8402, 23.4003

Monochromacy



Original Color

19.0399, 20.9103, 19.5556

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2859, 20.6119, 21.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0399, 20.9103, 19.5556 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(123, 128, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 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(123, 128, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.0399, 20.9103, 19.5556 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(123, 128, 116) }
```


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

```
.border{ border-color:rgb(123, 128, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 128, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 128, 116); box-shadow:4px 4px 4px 4px rgb(123, 128, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0399, 20.9103, 19.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 116) }
```

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

```
.background{ background-color: rgb(123,  
128, 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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