

Converting Colors

XYZ(18.7877, 20.5319, 15.8776)

Have a look what the booklet for
XYZ(18.7877, 20.5319, 15.8776)
contains.

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Color

**XYZ(18.8111, 20.4902,
15.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	807E67
RGB	128, 126, 103
RGB Percent	50%, 49%, 40%
CMY	0.4980, 0.5059, 0.5961
CMYK	0.00, 0.02, 0.20, 0.50
HSL	55°, 11%, 45%
HSV	55°, 20%, 50%
XYZ	18.8111, 20.4902, 15.7955
YIQ	123.9760, 8.5750, -6.7290

Conversions

Conversions Part 2

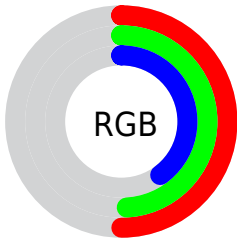
Format	Color
R_{YB}	105, 128, 103
Decimal	8420967
CIE Lab	52.39, -3.39, 12.82
CIE LCh	52, 13.261, 104.811
Yxy	20.4902, 0.3414, 0.3719
Android (android.graphics.Color)	4286611047 (0xFF807E67)
YUV	123.9760, -10.3412, 3.5290
Hunter-Lab	45.2661, -5.0370, 10.9972

Details

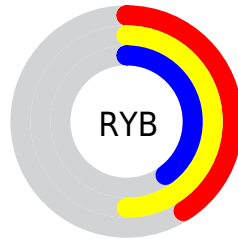
The XYZ color **18.8111, 20.4902, 15.7955** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5413, 14.5448, 22.4631**, and the grayscale version is **19.1820, 20.1809, 21.9771**.

A 20% lighter version of the original color is **41.0089, 44.3971, 36.9799**, and **6.5921, 7.2555, 4.7944** is the 20% darker color. If you saturate the color by 10%, you get **18.0874, 19.9933, 12.6236**, and if you desaturate by 10%, it is **19.6356, 21.0309, 19.4869**.

Distribution



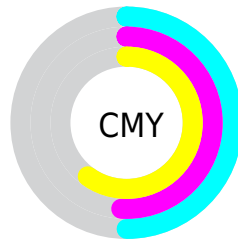
- Red (50%)
- Green (49%)
- Blue (40%)



- Red (41%)
- Yellow (50%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (50%)



- Cyan (50%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8111, 20.4902, 15.7955 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 18.8111, 20.4902, 15.7955 by changing the saturation by 10% instead.

■ 18.8111, 20.4902,
15.7955

■ 18.8111, 20.4902,
15.7955

238.3621,
254.5566, 239.9363

■ 11.6371, 12.7519,
9.2268

■ 40.9340, 44.2375,
37.0047

■ 6.5675, 7.2579,
4.7906

■ 56.6136, 61.0153,
52.4822

■ 3.2370, 3.6239,
2.0683

■ 75.8590, 81.5750,
71.7664

■ 1.2803, 1.4655,
0.5968

■ 99.0357, 106.3011,
95.2758

■ 0.1684, 0.2643,
0.0000

126.5090,
135.5779, 123.4289

■ 0.0000, 0.0000,
0.0000

158.6443,

169.7898, 156.6444

195.8069,
209.3213, 195.3407

■ 18.8111, 20.4902,
15.7955

■ 18.8111, 20.4902,
15.7955

■ 18.0874, 19.9933,
12.6236

■ 19.6356, 21.0309,
19.4869

■ 17.4584, 19.5357,
9.9463

■ 20.5635, 21.6145,
23.7183

■ 16.9198, 19.1165,
7.7387

■ 21.5992, 22.2433,
28.5110

■ 16.4665, 18.7334,
5.9734

■ 22.7466, 22.9189,
33.8846

■ 16.0926, 18.3843,
4.6199

■ 24.0090, 23.6427,
39.8578

■ 15.7916, 18.0664,
3.6439

■ 25.3899, 24.4161,
46.4484

■ 15.5561, 17.7767,
3.0058

■ 26.8927, 25.2404,
53.6736

■ 15.3633, 17.5063,
2.5866

■ 28.5203, 26.1168,
61.5497

■ 15.3544, 17.4937,
2.5674

■ 30.2758, 27.0466,
70.0925

Harmonies

Analogous

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



20.1721, 20.4902, 15.8057



18.8111, 20.4902, 15.7955



17.6810, 20.4902, 17.3848

Triad

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



18.8111, 20.4902, 15.7955



17.6695, 20.4902, 28.0472



22.1236, 20.4902, 24.3412

Complementary

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



18.8111, 20.4902, 15.7955



14.5413, 14.5448, 22.4631

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.



21.3871, 20.4902, 28.0881



18.8111, 20.4902, 15.7955



18.7948, 20.4902, 30.3920

Square

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



18.8111, 20.4902, 15.7955



17.0432, 20.4902, 24.2905



20.1550, 20.4902, 30.4077



22.1285, 20.4902, 20.4408

Rectangle

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



18.8111, 20.4902, 15.7955



17.1924, 20.4902, 19.2575



20.1550, 20.4902, 30.4077



21.9519, 20.4902, 25.6699

Sweetspot

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



18.8116, 20.4911, 15.7959



35.1049, 37.3680, 36.7285



16.3066, 15.3116, 15.4833



8.1996, 8.7366, 8.5108



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.



18.8116, 20.4911, 15.7959



32.5903, 35.7186, 25.4704



17.5822, 20.2401, 15.8123



4.6369, 4.9625, 4.6336



15.2254, 17.3472, 2.5459



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.5413, 14.5448, 22.4631



23.7785, 23.4490, 39.2291



15.6105, 14.7977, 22.4556



4.1343, 4.2627, 5.4181



3.9740, 1.7664, 20.3815



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8111, 20.4902, 15.7955 looks on a white background.

Color Contrast Check

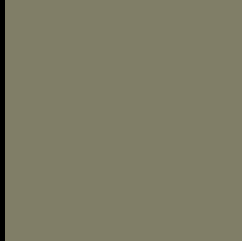
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8111, 20.4902, 15.7955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

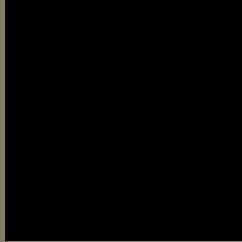
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8111, 20.4902, 15.7955

Background



This preview shows how black text looks on a background with the XYZ color 18.8111, 20.4902, 15.7955.



This preview shows how white text looks on a background with the XYZ color 18.8111, 20.4902,

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

18.8111, 20.4902, 15.7955

Protanopia

19.2476, 20.5321, 15.5190

Deuteranopia

20.7168, 20.3617, 15.9350



Tritanopia

20.6401, 20.4905, 24.6970

Trichromacy



Original Color

18.8111, 20.4902, 15.7955

Protanomaly

19.0920, 20.4518, 15.5117

Deuteranomaly

19.9395, 20.3218, 15.9683

Tritanomaly

19.8942, 20.3717, 20.9728

Monochromacy



Original Color

18.8111, 20.4902, 15.7955

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9434, 20.2882, 19.4406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8111, 20.4902, 15.7955 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(128, 126, 103)` looks like.

```
.text, #text, p{  
    color:rgb(128, 126, 103)  
}
```

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(128, 126, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 126, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.8111, 20.4902, 15.7955 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(128, 126, 103) }
```


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

```
.border{ border-color:rgb(128, 126, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 126, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 126, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 126, 103);  
box-shadow:4px 4px 4px 4px rgb(128, 126,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8111, 20.4902, 15.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 126, 103) }
```

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

```
.background{ background-color: rgb(128,  
126, 103) }
```

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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