

Converting Colors

XYZ(19.0102, 20.8563, 15.2938)

Have a look what the booklet for
XYZ(19.0102, 20.8563, 15.2938)
contains.

XYZ(18.9916, 20.7855, 15.3229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.9916, 20.7855,
15.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	817F65
RGB	129, 127, 101
RGB Percent	51%, 50%, 40%
CMY	0.4941, 0.5019, 0.6039
CMYK	0.00, 0.02, 0.22, 0.49
HSL	56°, 12%, 45%
HSV	56°, 22%, 51%
XYZ	18.9916, 20.7855, 15.3229
YIQ	124.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

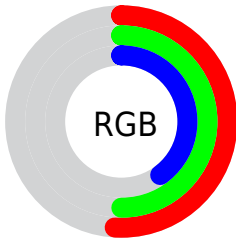
Format	Color
R_{YB}	103, 129, 101
Decimal	8486757
CIE Lab	52.71, -3.87, 14.44
CIE LCh	53, 14.952, 105.001
Yxy	20.7855, 0.3447, 0.3772
Android (android.graphics.Color)	4286676837 (0xFF817F65)
YUV	124.6340, -11.6516, 3.8290
Hunter-Lab	45.5911, -5.4279, 11.9868

Details

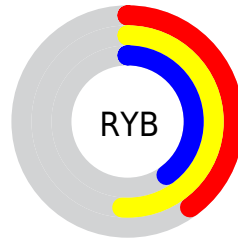
The XYZ color **18.9916, 20.7855, 15.3229** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1794, 14.0517, 22.7339**, and the grayscale version is **19.4061, 20.4168, 22.2339**.

A 20% lighter version of the original color is **41.2802, 44.8546, 36.1879**, and **6.6147, 7.3774, 4.5654** is the 20% darker color. If you saturate the color by 10%, you get **18.2905, 20.3165, 12.2119**, and if you desaturate by 10%, it is **19.7941, 21.2982, 18.9577**.

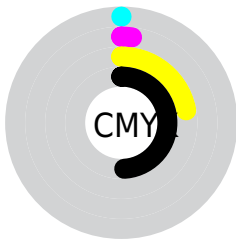
Distribution



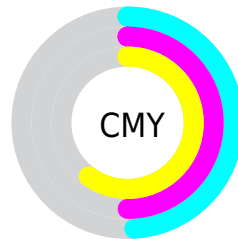
- Red (51%)
- Green (50%)
- Blue (40%)



- Red (40%)
- Yellow (51%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (22%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9916, 20.7855, 15.3229 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 18.9916, 20.7855, 15.3229 by changing the saturation by 10% instead.

■ 18.9916, 20.7855,
15.3229

■ 18.9916, 20.7855,
15.3229

239.3414,
256.1363, 237.0201

■ 11.7682, 12.9673,
8.8972

■ 41.2369, 44.7303,
36.1689

■ 6.6571, 7.4060,
4.5783

■ 56.9895, 61.6256,
51.4263

■ 3.2930, 3.7173,
1.9477

■ 76.3158, 82.3155,
70.4647

■ 1.3105, 1.5167,
0.5228

■ 99.5813, 107.1843,
93.7026

■ 0.1911, 0.3004,
0.0000

127.1512,
136.6164, 121.5586

■ 0.0000, 0.0000,
0.0000

159.3910,

170.9961, 154.4511

196.6659,
210.7080, 192.7988

■ 18.9916, 20.7855,
15.3229

■ 18.9916, 20.7855,
15.3229

■ 18.2905, 20.3165,
12.2119

■ 19.7941, 21.2982,
18.9577

■ 17.6846, 19.8866,
9.5991

■ 20.7007, 21.8536,
23.1378

■ 17.1693, 19.4948,
7.4588

■ 21.7161, 22.4542,
27.8850

■ 16.7394, 19.1387,
5.7622

■ 22.8440, 23.1015,
33.2195

■ 16.3887, 18.8161,
4.4775

■ 24.0881, 23.7971,
39.1606

■ 16.1104, 18.5242,
3.5690

■ 25.4519, 24.5424,
45.7266

■ 15.8965, 18.2597,
2.9942

■ 26.9387, 25.3386,
52.9351

■ 15.7459, 18.0523,
2.6546

■ 28.5519, 26.1871,
60.8031

■ 30.2943, 27.0891,
69.3467

Harmonies

Analogous

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



20.5405, 20.7855, 15.3228



18.9916, 20.7855, 15.3229



17.7149, 20.7855, 17.0974

Triad

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



18.9916, 20.7855, 15.3229



17.7150, 20.7855, 29.2481



22.7893, 20.7855, 24.9227

Complementary

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



18.9916, 20.7855, 15.3229



14.1794, 14.0517, 22.7339

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.



21.9482, 20.7855, 29.2478



18.9916, 20.7855, 15.3229



18.9917, 20.7855, 31.9590

Square

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



18.9916, 20.7855, 15.3229



17.0045, 20.7855, 24.9231



20.5406, 20.7855, 31.9589



22.7893, 20.7855, 20.4855

Rectangle

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



18.9916, 20.7855, 15.3229



17.1664, 20.7855, 19.2003



20.5406, 20.7855, 31.9589



22.5937, 20.7855, 26.4497

Sweetspot

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



18.9921, 20.7864, 15.3233



36.1603, 38.5820, 37.2246



16.1721, 14.9607, 14.9554



8.1687, 8.7230, 8.3520



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.



18.9921, 20.7864, 15.3233



33.3724, 36.8019, 24.5935



17.5804, 20.4453, 15.3319



4.6400, 4.9686, 4.6346



15.3536, 17.6037, 2.5886



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1794, 14.0517, 22.7339



23.1618, 22.5143, 40.3174



15.3836, 14.3812, 22.7340



4.1316, 4.2572, 5.4172



3.9621, 1.7427, 20.3775



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9916, 20.7855, 15.3229 looks on a white background.

Color Contrast Check

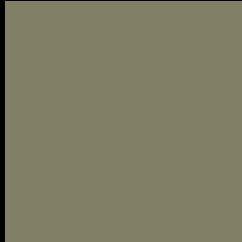
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9916, 20.7855, 15.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

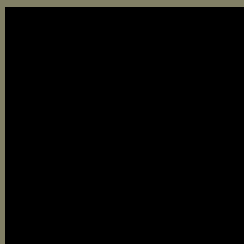
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

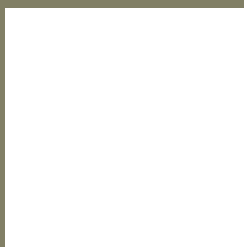
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9916, 20.7855, 15.3229

Background



This preview shows how black text looks on a background with the XYZ color 18.9916, 20.7855, 15.3229.



This preview shows how white text looks on a background with the XYZ color 18.9916, 20.7855,

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

18.9916, 20.7855, 15.3229

Protanopia

19.5926, 20.9101, 15.0600

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

20.9207, 20.8184, 24.7455

Trichromacy



Original Color

18.9916, 20.7855, 15.3229

Protanomaly

19.2768, 20.7473, 15.0452

Deuteranomaly

20.2964, 20.7007, 15.4963

Tritanomaly

20.1746, 20.7013, 21.0216

Monochromacy



Original Color

18.9916, 20.7855, 15.3229

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2174, 20.6183, 19.4899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9916, 20.7855, 15.3229 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(129, 127, 101)` looks like.

```
.text, #text, p{  
    color:rgb(129, 127, 101)  
}
```

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(129, 127, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 127, 101) }
```

Border

The CSS property to change the border of an element to XYZ 18.9916, 20.7855, 15.3229 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(129, 127, 101) }
```


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

```
.border{ border-color:rgb(129, 127, 101) }
```

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

Here you see how a box with a 4 pixel rgb(129, 127, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 127, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 127, 101);  
box-shadow:4px 4px 4px 4px rgb(129, 127,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9916, 20.7855, 15.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 127, 101) }
```

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

```
.background{ background-color: rgb(129,  
127, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor