

Converting Colors

XYZ(19.0446, 20.0318, 16.4984)

Have a look what the booklet for
XYZ(19.0446, 20.0318, 16.4984)
contains.

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Color

**XYZ(19.0446, 20.0318,
16.4984)**

Conversions

Conversions Part 1

Format	Color
Hex	837B6A
RGB	131, 123, 106
RGB Percent	51%, 48%, 42%
CMY	0.4863, 0.5176, 0.5843
CMYK	0.00, 0.06, 0.19, 0.49
HSL	41°, 11%, 46%
HSV	41°, 19%, 51%
XYZ	19.0446, 20.0318, 16.4984
YIQ	123.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

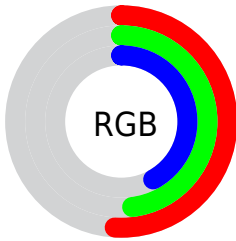
Format	Color
R _Y B	118, 131, 106
Decimal	8616810
CIE Lab	51.87, 0.03, 10.40
CIE LCh	52, 10.398, 89.860
Yxy	20.0318, 0.3427, 0.3604
Android (android.graphics.Color)	4286806890 (0xFF837B6A)
YUV	123.4540, -8.6048, 6.6178
Hunter-Lab	44.7569, -2.3707, 9.4742

Details

The XYZ color **19.0446, 20.0318, 16.4984** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0579, 16.7373, 23.8573**, and the grayscale version is **19.0025, 19.9921, 21.7714**.

A 20% lighter version of the original color is **41.1829, 43.2846, 38.0825**, and **6.6315, 6.9627, 5.1321** is the 20% darker color. If you saturate the color by 10%, you get **17.9061, 18.7629, 13.0108**, and if you desaturate by 10%, it is **20.3105, 21.3886, 20.5425**.

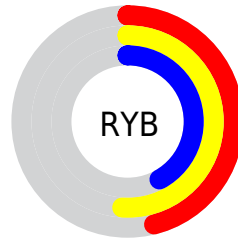
Distribution



Red (51%)

Green (48%)

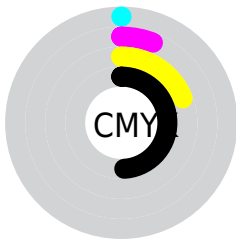
Blue (42%)



Red (46%)

Yellow (51%)

Blue (42%)

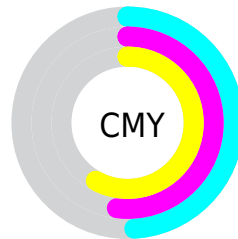


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (49%)



Cyan (49%)

Magenta (52%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0446, 20.0318, 16.4984 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 19.0446, 20.0318, 16.4984 by changing the saturation by 10% instead.

■ 19.0446, 20.0318,
16.4984

■ 19.0446, 20.0318,
16.4984

239.6283,
252.0872, 244.2103

■ 11.8067, 12.4182,
9.7194

■ 41.3257, 43.4705,
38.2401

■ 6.6835, 7.0291,
5.1101

■ 57.0997, 60.0643,
54.0398

■ 3.3095, 3.4803,
2.2521

■ 76.4497, 80.4204,
73.6835

■ 1.3195, 1.3873,
0.7042

■ 99.7412, 104.9230,
97.5896

■ 0.1977, 0.2074,
0.0000

127.3394,
133.9566, 126.1769

■ 0.0000, 0.0000,
0.0000

159.6097,

167.9056, 159.8637

196.9176,
207.1543, 199.0687

■ 19.0446, 20.0318,
16.4984

■ 19.0446, 20.0318,
16.4984

■ 17.9061, 18.7629,
13.0108

■ 20.3105, 21.3886,
20.5425

■ 16.8885, 17.5769,
10.0534

■ 21.7069, 22.8330,
25.1651

■ 15.9869, 16.4720,
7.6000

■ 23.2388, 24.3681,
30.3887

■ 15.1955, 15.4455,
5.6214

■ 24.9104, 25.9959,
36.2339

■ 14.5080, 14.4943,
4.0854

■ 26.7256, 27.7185,
42.7207

■ 13.9171, 13.6152,
2.9558

■ 28.6883, 29.5377,
49.8680

■ 13.4147, 12.8042,
2.1907

■ 30.8022, 31.4556,
57.6939

■ 12.9789, 12.0523,
1.6767

■ 33.0709, 33.4738,
66.2158

■ 12.9403, 11.9855,
1.6314

■ 35.4976, 35.5942,
75.4506

Harmonies

Analogous

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



20.0773, 20.0318, 17.1596



19.0446, 20.0318, 16.4984



18.0466, 20.0318, 17.1475

Triad

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



19.0446, 20.0318, 16.4984



17.3327, 20.0318, 24.8359



20.8498, 20.0318, 24.8628

Complementary

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



19.0446, 20.0318, 16.4984



16.0579, 16.7373, 23.8573

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.



20.0684, 20.0318, 27.2521



19.0446, 20.0318, 16.4984



18.0383, 20.0318, 27.2356

Square

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



19.0446, 20.0318, 16.4984



17.0808, 20.0318, 21.7970



19.0347, 20.0318, 28.1573



21.1428, 20.0318, 21.8255

Rectangle

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



19.0446, 20.0318, 16.4984



17.5294, 20.0318, 18.2737



19.0347, 20.0318, 28.1573



20.6341, 20.0318, 25.7782

Sweetspot

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



19.0451, 20.0327, 16.4988



37.0831, 39.0471, 39.1155



17.5707, 16.3562, 18.2505



8.6034, 9.0594, 9.0074



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.0451, 20.0327, 16.4988



33.1708, 34.8438, 26.6475



19.4457, 21.7728, 16.8136



4.9175, 5.1785, 4.9697



12.7400, 11.8026, 1.6067



0.0507, 0.0541, 0.0078

Inverse Universe

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



16.0579, 16.7373, 23.8573



26.7749, 27.7888, 42.4058



15.7022, 15.2727, 23.5934



4.5471, 4.7699, 5.8818



4.8466, 3.2411, 21.5068



0.0228, 0.0233, 0.0765

Previews

White Background



This preview shows how the XYZ color 19.0446, 20.0318, 16.4984 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 19.0446, 20.0318, 16.4984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

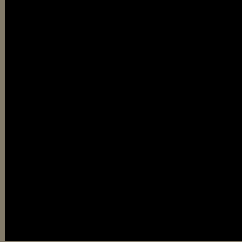
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0446, 20.0318, 16.4984

Background



This preview shows how black text looks on a background with the XYZ color 19.0446, 20.0318, 16.4984.



This preview shows how white text looks on a background with the XYZ color 19.0446, 20.0318,

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

19.0446, 20.0318, 16.4984

Protanopia

18.8904, 19.9524, 16.4912

Deuteranopia

20.4060, 20.0060, 16.6959



Tritanopia

20.5104, 20.0863, 23.5649

Trichromacy



Original Color

19.0446, 20.0318, 16.4984

Protanomaly

18.8904, 19.9524, 16.4912

Deuteranomaly

19.8515, 19.8978, 16.7043

Tritanomaly

19.9614, 20.0418, 20.9055

Monochromacy



Original Color

19.0446, 20.0318, 16.4984

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8980, 19.8859, 19.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0446, 20.0318, 16.4984 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(131, 123, 106)` looks like.

```
.text, #text, p{  
    color:rgb(131, 123, 106)  
}
```

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(131, 123, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 123, 106) }
```

Border

The CSS property to change the border of an element to XYZ 19.0446, 20.0318, 16.4984 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(131, 123, 106) }
```


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

```
.border{ border-color:rgb(131, 123, 106) }
```

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

Here you see how a box with a 4 pixel rgb(131, 123, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 123, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 123, 106);  
box-shadow:4px 4px 4px 4px rgb(131, 123,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0446, 20.0318, 16.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 123, 106) }
```

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

```
.background{ background-color: rgb(131,  
123, 106) }
```

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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