

Converting Colors

XYZ(20.2019, 20.4836, 16.8278)

Have a look what the booklet for
XYZ(20.2019, 20.4836, 16.8278)
contains.

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Color

**XYZ(20.0946, 20.3839,
16.7853)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7A6B
RGB	138, 122, 107
RGB Percent	54%, 48%, 42%
CMY	0.4588, 0.5216, 0.5804
CMYK	0.00, 0.12, 0.22, 0.46
HSL	29°, 13%, 48%
HSV	29°, 22%, 54%
XYZ	20.0946, 20.3839, 16.7853
YIQ	125.0740, 14.3510, -1.2730

Conversions

Conversions Part 2

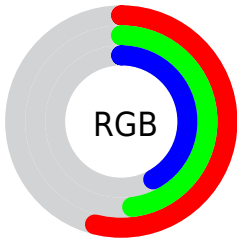
Format	Color
R_{YB}	138, 136, 107
Decimal	9075307
CIE _{Lab}	52.27, 3.60, 10.47
CIE _{LCh}	52, 11.068, 71.005
Yxy	20.3839, 0.3509, 0.3560
Android (android.graphics.Color)	4287265387 (0xFF8A7A6B)
YUV	125.0740, -8.9105, 11.3361
Hunter-Lab	45.1485, 0.4364, 9.5612

Details

The XYZ color **20.0946, 20.3839, 16.7853** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7336, 19.1261, 26.8019**, and the grayscale version is **19.5440, 20.5618, 22.3919**.

A 20% lighter version of the original color is **43.0458, 43.9472, 38.5616**, and **7.2227, 7.1660, 5.2775** is the 20% darker color. If you saturate the color by 10%, you get **18.5833, 18.4319, 12.9809**, and if you desaturate by 10%, it is **21.7870, 22.5123, 21.2223**.

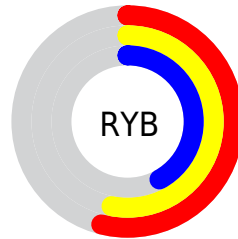
Distribution



Red (54%)

Green (48%)

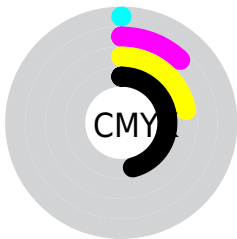
Blue (42%)



Red (54%)

Yellow (53%)

Blue (42%)

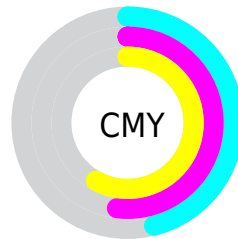


Cyan (0%)

Magenta (12%)

Yellow (22%)

Black (46%)



Cyan (46%)

Magenta (52%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0946, 20.3839, 16.7853 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 20.0946, 20.3839, 16.7853 by changing the saturation by 10% instead.

■ 20.0946, 20.3839,
16.7853

■ 20.0946, 20.3839,
16.7853

245.2506,
253.9859, 245.9340

■ 12.5725, 12.6744,
9.9212

■ 43.0785, 44.0599,
38.7418

■ 7.2098, 7.2047,
5.2418

■ 59.2709, 60.7952,
54.6714

■ 3.6411, 3.5905,
2.3286

■ 79.0842, 81.3079,
74.4598

■ 1.5012, 1.4472,
0.7472

■ 102.8837,
105.9823, 98.5256

■ 0.3266, 0.2511,
0.0000

131.0347,
135.2030, 127.2874

■ 0.0000, 0.0000,
0.0000

163.9026,

169.3542, 161.1637

201.8528,
208.8203, 200.5731

■ 20.0946, 20.3839,
16.7853

■ 20.0946, 20.3839,
16.7853

■ 18.5833, 18.4319,
12.9809

■ 21.7870, 22.5123,
21.2223

■ 17.2446, 16.6485,
9.7785

■ 23.6653, 24.8191,
26.3179

■ 16.0717, 15.0296,
7.1467

■ 25.7361, 27.3095,
32.0985

■ 15.0567, 13.5695,
5.0510

■ 28.0052, 29.9880,
38.5884

■ 14.1908, 12.2625,
3.4528

■ 30.4782, 32.8587,
45.8108

■ 13.4642, 11.1020,
2.3084

■ 33.1604, 35.9256,
53.7879

■ 12.8657, 10.0809,
1.5664

■ 36.0570, 39.1926,
62.5407

■ 12.4758, 9.3924,
1.1554

■ 39.1727, 42.6635,
72.0898

■ 42.5123, 46.3419,
82.4546

Harmonies

Analogous

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



21.0714, 20.3839, 18.3349



20.0946, 20.3839, 16.7853



18.9600, 20.3839, 16.5986

Triad

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



20.0946, 20.3839, 16.7853



17.3066, 20.3839, 23.4114



20.8444, 20.3839, 27.2627

Complementary

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



20.0946, 20.3839, 16.7853



17.7336, 19.1261, 26.8019

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.



19.7946, 20.3839, 28.9252



20.0946, 20.3839, 16.7853



17.7709, 20.3839, 26.5612

Square

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



20.0946, 20.3839, 16.7853



17.3798, 20.3839, 20.2185



18.6714, 20.3839, 28.6566



21.5158, 20.3839, 24.2955

Rectangle

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



20.0946, 20.3839, 16.7853



18.2698, 20.3839, 17.2491



18.6714, 20.3839, 28.6566



20.5224, 20.3839, 28.0052

Sweetspot

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



20.0951, 20.3848, 16.7857



40.1209, 41.8025, 42.0329



19.3153, 17.3494, 21.0753



8.9642, 9.3335, 9.3337



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.0951, 20.3848, 16.7857



34.0194, 34.1334, 26.0220



22.1497, 24.4939, 17.4706



5.2196, 5.4219, 5.3238



11.4531, 8.6406, 1.0642



0.0906, 0.0865, 0.0119

Inverse Universe

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



17.7336, 19.1261, 26.8019



29.0895, 31.5054, 46.9312



15.9628, 15.5845, 26.2116



4.9741, 5.2911, 6.3650



6.2990, 5.8683, 22.8464



0.0565, 0.0683, 0.1567

Previews

White Background



This preview shows how the XYZ color 20.0946, 20.3839, 16.7853 looks on a white background.

Color Contrast Check

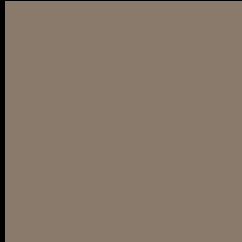
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0946, 20.3839, 16.7853 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

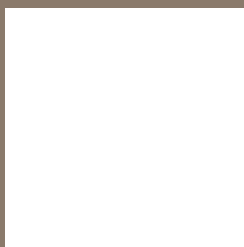
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0946, 20.3839, 16.7853

Background



This preview shows how black text looks on a background with the XYZ color 20.0946, 20.3839, 16.7853.



This preview shows how white text looks on a background with the XYZ color 20.0946, 20.3839,

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

20.0946, 20.3839, 16.7853

Protanopia

19.2745, 20.3233, 17.0943

Deuteranopia

20.6980, 20.3341, 16.7439



Tritanopia

21.4776, 20.4149, 23.2305

Trichromacy



Original Color

20.0946, 20.3839, 16.7853

Protanomaly

19.6212, 20.3170, 17.0748

Deuteranomaly

20.4757, 20.3990, 16.7681

Tritanomaly

20.9219, 20.3645, 20.5973

Monochromacy



Original Color

20.0946, 20.3839, 16.7853

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6836, 20.4691, 20.0530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0946, 20.3839, 16.7853 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(138, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(138, 122, 107)  
}
```

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(138, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 122, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.0946, 20.3839, 16.7853 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(138, 122, 107) }
```


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

```
.border{ border-color:rgb(138, 122, 107) }
```

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

Here you see how a box with a 4 pixel rgb(138, 122, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(138, 122,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0946, 20.3839, 16.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 122, 107) }
```

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

```
.background{ background-color: rgb(138,  
122, 107) }
```

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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