

Converting Colors

XYZ(20.4413, 18.8101, 10.2022)

Have a look what the booklet for
XYZ(20.4413, 18.8101, 10.2022)
contains.

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Color

**XYZ(20.4588, 18.8181,
10.1434)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6F50
RGB	154, 111, 80
RGB Percent	60%, 44%, 31%
CMY	0.3961, 0.5647, 0.6863
CMYK	0.00, 0.28, 0.48, 0.40
HSL	25°, 32%, 46%
HSV	25°, 48%, 60%
XYZ	20.4588, 18.8181, 10.1434
YIQ	120.3230, 35.5790, -0.5250

Conversions

Conversions Part 2

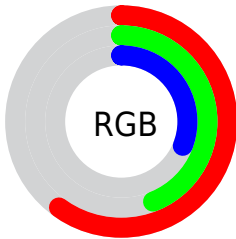
Format	Color
RYB	154, 133, 80
Decimal	10121040
CIELab	50.47, 13.13, 23.95
CIELCh	50, 27.308, 61.267
Yxy	18.8181, 0.4140, 0.3808
Android (android.graphics.Color)	4288311120 (0xFF9A6F50)
YUV	120.3230, -19.8792, 29.5347
Hunter-Lab	43.3798, 8.2695, 16.5022

Details

The XYZ color **20.4588, 18.8181, 10.1434** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.2236, 18.2036, 33.2302**, and the grayscale version is **18.0102, 18.9482, 20.6346**.

A 20% lighter version of the original color is **43.7048, 41.5077, 26.8274**, and **7.3364, 6.3857, 2.4360** is the 20% darker color. If you saturate the color by 10%, you get **19.0259, 16.7609, 7.1731**, and if you desaturate by 10%, it is **22.1209, 21.1250, 13.8340**.

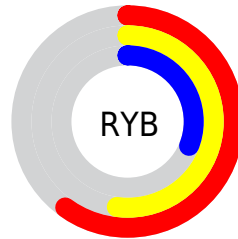
Distribution



Red (60%)

Green (44%)

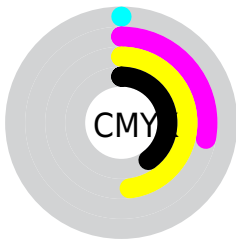
Blue (31%)



Red (60%)

Yellow (52%)

Blue (31%)

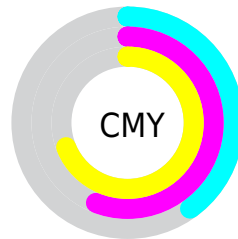


Cyan (0%)

Magenta (28%)

Yellow (48%)

Black (40%)



Cyan (40%)

Magenta (56%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4588, 18.8181, 10.1434 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 20.4588, 18.8181, 10.1434 by changing the saturation by 10% instead.

■ 20.4588, 18.8181,
10.1434

■ 20.4588, 18.8181,
10.1434

247.1747,
245.4427, 202.2144

■ 12.8392, 11.5389,
5.3873

■ 43.6832, 41.4265,
26.6769

■ 7.3941, 6.4305,
2.4136

■ 60.0186, 57.5245,
39.2914

■ 3.7583, 3.1086,
0.7938

■ 79.9901, 77.3309,
55.3624

■ 1.5663, 1.1887,
0.0000

■ 103.9629,
101.2301, 75.3085

■ 0.3703, 0.0524,
0.0000

■ 132.3024,
129.6065, 99.5482

■ 0.0000, 0.0000,
0.0000

165.3739,

162.8445, 128.5000

203.5429,
201.3284, 162.5826

■ 20.4588, 18.8181,
10.1434

■ 20.4588, 18.8181,
10.1434

■ 19.0259, 16.7609,
7.1731

■ 22.1209, 21.1250,
13.8340

■ 17.8089, 14.9412,
4.8734

■ 24.0217, 23.6875,
18.2876

■ 16.7950, 13.3500,
3.1900

■ 26.1719, 26.5149,
23.5452

■ 15.9694, 11.9761,
2.0596

■ 28.5809, 29.6149,
29.6443

■ 15.3065, 10.8041,
1.3648

■ 31.2577, 32.9953,
36.6200

■ 15.1893, 10.5958,
1.2446

■ 34.2108, 36.6630,
44.5055

■ 37.4484, 40.6251,
53.3322

■ 40.9782, 44.8882,
63.1300

■ 44.8077, 49.4587,
73.9275

Harmonies

Analogous

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



22.6230, 18.8181, 13.7893



20.4588, 18.8181, 10.1434



17.7732, 18.8181, 9.0583

Triad

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



20.4588, 18.8181, 10.1434



13.2450, 18.8181, 20.8153



20.6738, 18.8181, 35.7311

Complementary

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



20.4588, 18.8181, 10.1434



16.2236, 18.2036, 33.2302

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.



17.9994, 18.8181, 38.8970



20.4588, 18.8181, 10.1434



13.8613, 18.8181, 29.0702

Square

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



20.4588, 18.8181, 10.1434



13.7661, 18.8181, 14.2247



15.5385, 18.8181, 36.2024



22.7555, 18.8181, 28.3676

Rectangle

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



20.4588, 18.8181, 10.1434



16.0945, 18.8181, 9.6474



15.5385, 18.8181, 36.2024



19.8058, 18.8181, 37.3931

Sweetspot

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



20.4593, 18.8190, 10.1438



49.1375, 50.2311, 46.7663



19.7807, 14.0417, 20.4615



10.9264, 11.1166, 10.0935



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.4593, 18.8190, 10.1438



34.2974, 30.0590, 12.5074



25.3381, 28.5766, 11.7700



6.4108, 6.6267, 6.5470



12.4091, 8.7006, 1.0253



0.2203, 0.1996, 0.0269

Inverse Universe

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



16.2236, 18.2036, 33.2302



25.6156, 28.7695, 59.7393



12.4823, 10.7210, 31.9831



6.1675, 6.5924, 7.8764



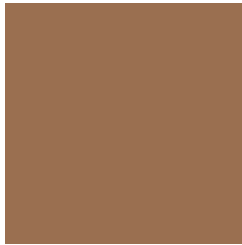
7.7310, 7.8587, 26.0171



0.1515, 0.1892, 0.4009

Previews

White Background



This preview shows how the XYZ color 20.4588, 18.8181, 10.1434 looks on a white background.

Color Contrast Check

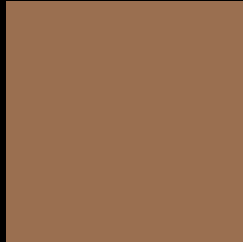
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4588, 18.8181, 10.1434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

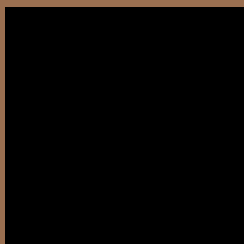
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4588, 18.8181, 10.1434

Background



This preview shows how black text looks on a background with the XYZ color 20.4588, 18.8181, 10.1434.



This preview shows how white text looks on a background with the XYZ color 20.4588, 18.8181,

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

20.4588, 18.8181, 10.1434

Protanopia

17.5226, 18.8189, 11.0964

Deuteranopia

19.2191, 18.8457, 10.0218



Tritanopia

22.1532, 18.7140, 18.6642

Trichromacy



Original Color

20.4588, 18.8181, 10.1434

Protanomaly

18.5701, 18.8361, 10.8406

Deuteranomaly

19.6413, 18.8950, 10.0090

Tritanomaly

21.4711, 18.7524, 15.0583

Monochromacy



Original Color

20.4588, 18.8181, 10.1434

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.4268, 18.6480, 15.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4588, 18.8181, 10.1434 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(154, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(154, 111, 80)  
}
```

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(154, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 111, 80) }
```

Border

The CSS property to change the border of an element to XYZ 20.4588, 18.8181, 10.1434 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(154, 111, 80) }
```


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

```
.border{ border-color:rgb(154, 111, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 111, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(154, 111,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4588, 18.8181, 10.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 111, 80) }
```

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

```
.background{ background-color: rgb(154,  
111, 80) }
```

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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