

Converting Colors

XYZ(20.2266, 18.5107, 12.8629)

Have a look what the booklet for
XYZ(20.2266, 18.5107, 12.8629)
contains.

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Color

**XYZ(20.1294, 18.4262,
12.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	966E5D
RGB	150, 110, 93
RGB Percent	59%, 43%, 36%
CMY	0.4118, 0.5686, 0.6353
CMYK	0.00, 0.27, 0.38, 0.41
HSL	18°, 23%, 48%
HSV	18°, 38%, 59%
XYZ	20.1294, 18.4262, 12.8516
YIQ	120.0220, 29.2970, 3.1930

Conversions

Conversions Part 2

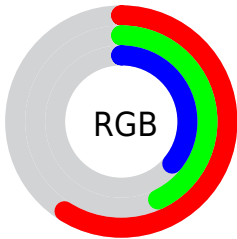
Format	Color
R_{YB}	150, 117, 93
Decimal	9858653
CIE _{Lab}	50.01, 13.51, 15.70
CIE _{LCh}	50, 20.717, 49.285
Yxy	18.4262, 0.3916, 0.3584
Android (android.graphics.Color)	4288048733 (0xFF966E5D)
YUV	120.0220, -13.3218, 26.2907
Hunter-Lab	42.9257, 8.5849, 12.2971

Details

The XYZ color **20.1294, 18.4262, 12.8516** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4065, 21.3035, 31.9961**, and the grayscale version is **17.8947, 18.8267, 20.5022**.

A 20% lighter version of the original color is **43.0551, 40.8030, 31.5931**, and **7.1655, 6.1919, 3.5068** is the 20% darker color. If you saturate the color by 10%, you get **18.4602, 16.0487, 9.3327**, and if you desaturate by 10%, it is **22.0648, 21.1274, 17.1027**.

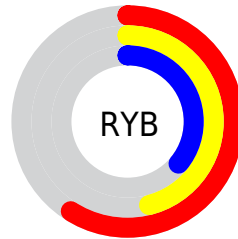
Distribution



Red (59%)

Green (43%)

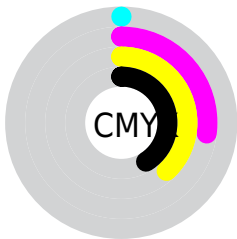
Blue (36%)



Red (59%)

Yellow (46%)

Blue (36%)

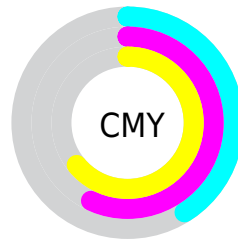


Cyan (0%)

Magenta (27%)

Yellow (38%)

Black (41%)



Cyan (41%)


Magenta (57%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1294, 18.4262, 12.8516 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 20.1294, 18.4262, 12.8516 by changing the saturation by 10% instead.


 20.1294, 18.4262,
12.8516


 20.1294, 18.4262,
12.8516


245.4350,
243.2625, 221.1387


 12.5980, 11.2564,
7.1969


 43.1363, 40.7622,
31.7242

 7.2274, 6.2396,
3.5052


 59.3425, 56.6973,
45.7792

 3.6523, 2.9913,
1.3580


 79.1710, 76.3228,
63.4713

 1.5074, 1.1272,
0.1087

 102.9871,
100.0233, 85.2192

 0.3308, 0.0010,
0.0000

131.1562,
128.1831, 111.4413

 0.0000, 0.0000,
0.0000

164.0436,

161.1867, 142.5563

202.0148,
199.4183, 178.9826

■ 20.1294, 18.4262,
12.8516

■ 20.1294, 18.4262,
12.8516

■ 18.4602, 16.0487,
9.3327

■ 22.0648, 21.1274,
17.1027

■ 17.0434, 13.9799,
6.5029

■ 24.2766, 24.1615,
22.1233

■ 15.8661, 12.2072,
4.3164

■ 26.7759, 27.5404,
27.9497

■ 14.9134, 10.7163,
2.7213

■ 29.5730, 31.2748,
34.6154

■ 14.1687, 9.4913,
1.6575

■ 32.6775, 35.3749,
42.1520

■ 13.6047, 8.5118,
1.0121

■ 36.0987, 39.8503,
50.5896

■ 13.5064, 8.3414,
0.8982

■ 39.8454, 44.7104,
59.9566

■ 43.9261, 49.9643,
70.2804

■ 48.3490, 55.6206,
81.5871

Harmonies

Analogous

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



21.3784, 18.4262, 16.6577



20.1294, 18.4262, 12.8516



18.2345, 18.4262, 11.1084

Triad

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



20.1294, 18.4262, 12.8516



14.0171, 18.4262, 18.0941



18.8077, 18.4262, 32.2832

Complementary

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



20.1294, 18.4262, 12.8516



18.4065, 21.3035, 31.9961

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.



16.8119, 18.4262, 32.8686



20.1294, 18.4262, 12.8516



14.1451, 18.4262, 23.9034

Square

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



20.1294, 18.4262, 12.8516



14.7709, 18.4262, 13.7312



15.1347, 18.4262, 29.5660



20.5762, 18.4262, 28.0920

Rectangle

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



20.1294, 18.4262, 12.8516



16.9035, 18.4262, 11.0764



15.1347, 18.4262, 29.5660



18.1381, 18.4262, 32.9346

Sweetspot

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



20.1299, 18.4271, 12.8520



45.7779, 46.6166, 45.8580



20.7848, 16.0300, 24.4982



10.0260, 10.1702, 9.8845



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.1299, 18.4271, 12.8520



32.8780, 28.7542, 17.0883



23.5919, 25.3511, 14.0060



5.9335, 6.0807, 6.1014



11.2272, 6.9689, 0.7534



0.1607, 0.1319, 0.0170

Inverse Universe

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



18.4065, 21.3035, 31.9961



29.3567, 34.5816, 56.0489



15.1067, 14.7040, 30.8961



5.8195, 6.2731, 7.3738



8.8058, 10.3063, 25.4562



0.1336, 0.1777, 0.3202

Previews

White Background



This preview shows how the XYZ color 20.1294, 18.4262, 12.8516 looks on a white background.

Color Contrast Check

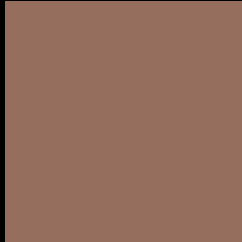
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1294, 18.4262, 12.8516 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 20.1294, 18.4262, 12.8516

Background



This preview shows how black text looks on a background with the XYZ color 20.1294, 18.4262, 12.8516.



This preview shows how white text looks on a background with the XYZ color 20.1294, 18.4262,

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

20.1294, 18.4262, 12.8516

Protanopia

17.3587, 18.4923, 13.9637

Deuteranopia

18.7643, 18.3828, 12.6845



Tritanopia

21.3011, 18.4286, 18.6540

Trichromacy



Original Color

20.1294, 18.4262, 12.8516

Protanomaly

18.3484, 18.4862, 13.6675

Deuteranomaly

19.3385, 18.5123, 12.6792

Tritanomaly

20.7789, 18.3660, 16.3597

Monochromacy



Original Color

20.1294, 18.4262, 12.8516

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.4199, 18.4419, 17.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1294, 18.4262, 12.8516 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(150, 110, 93)` looks like.

```
.text, #text, p{  
    color:rgb(150, 110, 93)  
}
```

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(150, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 110, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.1294, 18.4262, 12.8516 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(150, 110, 93) }
```


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

```
.border{ border-color:rgb(150, 110, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 110, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(150, 110,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1294, 18.4262, 12.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 110, 93) }
```

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

```
.background{ background-color: rgb(150,  
110, 93) }
```

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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