

Converting Colors

XYZ(18.8615, 20.1533, 13.6681)

Have a look what the booklet for
XYZ(18.8615, 20.1533, 13.6681)
contains.

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Color

**XYZ(18.9461, 20.2281,
13.7323)**

Conversions

Conversions Part 1

Format	Color
Hex	857C5F
RGB	133, 124, 95
RGB Percent	52%, 49%, 37%
CMY	0.4784, 0.5137, 0.6274
CMYK	0.00, 0.07, 0.29, 0.48
HSL	46°, 17%, 45%
HSV	46°, 29%, 52%
XYZ	18.9461, 20.2281, 13.7323
YIQ	123.3850, 14.6730, -7.1110

Conversions

Conversions Part 2

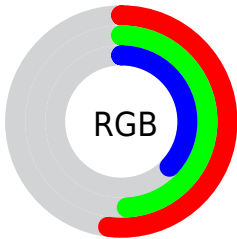
Format	Color
R_{YB}	107, 133, 95
Decimal	8748127
CIE _{Lab}	52.09, -1.43, 17.11
CIE _{LCh}	52, 17.166, 94.786
Yxy	20.2281, 0.3581, 0.3823
Android (android.graphics.Color)	4286938207 (0xFF857C5F)
YUV	123.3850, -13.9938, 8.4324
Hunter-Lab	44.9757, -3.5139, 13.3801

Details

The XYZ color **18.9461, 20.2281, 13.7323** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.9032, 14.0266, 24.1650**, and the grayscale version is **18.9959, 19.9851, 21.7638**.

A 20% lighter version of the original color is **41.2072, 43.6908, 33.4554**, and **6.6377, 7.0929, 3.9250** is the 20% darker color. If you saturate the color by 10%, you get **18.0043, 19.2307, 10.6861**, and if you desaturate by 10%, it is **20.0048, 21.2939, 17.3273**.

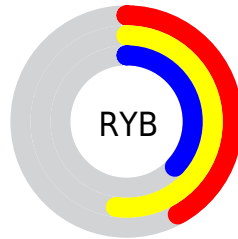
Distribution



Red (52%)

Green (49%)

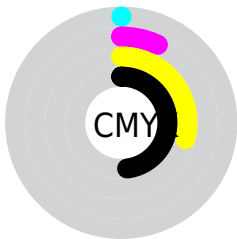
Blue (37%)



Red (42%)

Yellow (52%)

Blue (37%)

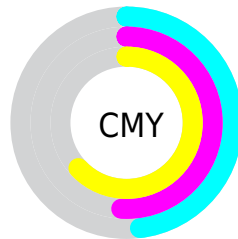


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (48%)



Cyan (48%)

Magenta (51%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9461, 20.2281, 13.7323 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 18.9461, 20.2281, 13.7323 by changing the saturation by 10% instead.

■ 18.9461, 20.2281,
13.7323

■ 18.9461, 20.2281,
13.7323

239.0949,
253.1473, 226.9293

■ 11.7351, 12.5610,
7.7981

■ 41.1606, 43.7993,
33.3235

■ 6.6345, 7.1269,
3.8801

■ 56.8948, 60.4721,
47.8176

■ 3.2789, 3.5416,
1.5598

■ 76.2008, 80.9156,
66.0021

■ 1.3029, 1.4206,
0.2619

■ 99.4439, 105.5142,
88.2956

■ 0.1854, 0.2318,
0.0000

126.9895,
134.6523, 115.1164

■ 0.0000, 0.0000,
0.0000

159.2030,

168.7142, 146.8833

196.4496,
208.0844, 184.0147

■ 18.9461, 20.2281,
13.7323

■ 18.9461, 20.2281,
13.7323

■ 18.0043, 19.2307,
10.6861

■ 20.0048, 21.2939,
17.3273

■ 17.1724, 18.2965,
8.1597

■ 21.1839, 22.4274,
21.4955

■ 16.4452, 17.4240,
6.1235

■ 22.4884, 23.6317,
26.2613

■ 15.8163, 16.6104,
4.5444

■ 23.9229, 24.9087,
31.6475

■ 15.2785, 15.8527,
3.3849

■ 25.4916, 26.2602,
37.6756

■ 14.8234, 15.1472,
2.6019

■ 27.1983, 27.6879,
44.3660

■ 14.4309, 14.4858,
2.0900

■ 29.0469, 29.1937,
51.7382

■ 14.3764, 14.3935,
2.0205

■ 31.0411, 30.7792,
59.8111

■ 33.1844, 32.4458,
68.6026

Harmonies

Analogous

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



20.6993, 20.2281, 14.3897



18.9461, 20.2281, 13.7323



17.3652, 20.2281, 15.0052

Triad

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



18.9461, 20.2281, 13.7323



16.5867, 20.2281, 28.0093



22.4425, 20.2281, 26.4021

Complementary

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



18.9461, 20.2281, 13.7323



13.9032, 14.0266, 24.1650

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.



21.2157, 20.2281, 30.9503



18.9461, 20.2281, 13.7323



17.8247, 20.2281, 31.9727

Square

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



18.9461, 20.2281, 13.7323



16.0568, 20.2281, 22.8410



19.5091, 20.2281, 33.1230



22.7875, 20.2281, 21.2286

Rectangle

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



18.9461, 20.2281, 13.7323



16.5998, 20.2281, 16.9107



19.5091, 20.2281, 33.1230



22.1160, 20.2281, 28.0786

Sweetspot

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



18.9466, 20.2290, 13.7327



37.7955, 40.0305, 37.9895



16.2894, 14.1809, 15.1091



8.4526, 8.9594, 8.3352



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.



18.9466, 20.2290, 13.7327



32.8590, 35.1034, 21.0962



18.6933, 21.8493, 14.0588



4.9488, 5.2412, 4.9802



13.7000, 13.7227, 1.9267



0.0530, 0.0587, 0.0085

Inverse Universe

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



13.9032, 14.0266, 24.1650



22.3507, 22.1834, 42.8422



14.0932, 12.8512, 23.9281



4.5174, 4.7104, 5.8719



4.5172, 2.5821, 21.3970



0.0205, 0.0187, 0.0758

Previews

White Background



This preview shows how the XYZ color 18.9461, 20.2281, 13.7323 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 18.9461, 20.2281, 13.7323 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 18.9461, 20.2281, 13.7323

Background



This preview shows how black text looks on a background with the XYZ color 18.9461, 20.2281, 13.7323.



This preview shows how white text looks on a background with the XYZ color 18.9461, 20.2281,

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

18.9461, 20.2281, 13.7323

Protanopia

18.9461, 20.2281, 13.7323

Deuteranopia

20.5622, 20.1492, 13.8718



Tritanopia

20.8758, 20.0970, 23.5477

Trichromacy



Original Color

18.9461, 20.2281, 13.7323

Protanomaly

18.9461, 20.2281, 13.7323

Deuteranomaly

19.9332, 20.1820, 13.9113

Tritanomaly

20.2016, 20.1933, 19.6626

Monochromacy



Original Color

18.9461, 20.2281, 13.7323

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8160, 19.8702, 18.4664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9461, 20.2281, 13.7323 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(133, 124, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 124, 95)  
}
```

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(133, 124, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 124, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.9461, 20.2281, 13.7323 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(133, 124, 95) }
```


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

```
.border{ border-color:rgb(133, 124, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 124, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 124, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 124, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 124,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9461, 20.2281, 13.7323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 124, 95) }
```

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

```
.background{ background-color: rgb(133,  
124, 95) }
```

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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