

Converting Colors

XYZ(18.8364, 20.7739, 13.6081)

Have a look what the booklet for
XYZ(18.8364, 20.7739, 13.6081)
contains.

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Color

**XYZ(18.8157, 20.7327,
13.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	827F5E
RGB	130, 127, 94
RGB Percent	51%, 50%, 37%
CMY	0.4902, 0.5019, 0.6314
CMYK	0.00, 0.02, 0.28, 0.49
HSL	55°, 16%, 44%
HSV	55°, 28%, 51%
XYZ	18.8157, 20.7327, 13.5998
YIQ	124.1350, 12.3810, -9.6270

Conversions

Conversions Part 2

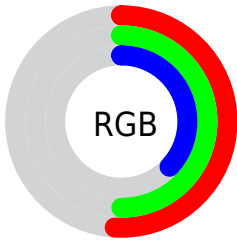
Format	Color
RYB	97, 130, 94
Decimal	8552286
CIELab	52.66, -4.52, 18.40
CIElCh	53, 18.946, 103.816
Yxy	20.7327, 0.3540, 0.3901
Android (android.graphics.Color)	4286742366 (0xFF827F5E)
YUV	124.1350, -14.8566, 5.1436
Hunter-Lab	45.5332, -5.9214, 14.1645

Details

The XYZ color **18.8157, 20.7327, 13.5998** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.9201, 12.5406, 22.8589**, and the grayscale version is **19.2487, 20.2512, 22.0535**.

A 20% lighter version of the original color is **40.9605, 44.7541, 33.2676**, and **6.5662, 7.3677, 3.8723** is the 20% darker color. If you saturate the color by 10%, you get **18.1420, 20.2415, 10.7356**, and if you desaturate by 10%, it is **19.5903, 21.2681, 16.9829**.

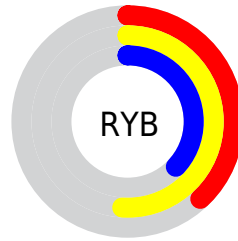
Distribution



Red (51%)

Green (50%)

Blue (37%)



Red (38%)

Yellow (51%)

Blue (37%)

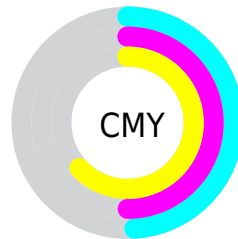


Cyan (0%)

Magenta (2%)

Yellow (28%)

Black (49%)



Cyan (49%)

Magenta (50%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8157, 20.7327, 13.5998 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 18.8157, 20.7327, 13.5998 by changing the saturation by 10% instead.

■ 18.8157, 20.7327,
13.5998

■ 18.8157, 20.7327,
13.5998

238.3871,
255.8545, 226.0679

■ 11.6404, 12.9288,
7.7073

■ 40.9417, 44.6422,
33.0841

■ 6.5698, 7.3795,
3.8232

■ 56.6232, 61.5166,
47.5129

■ 3.2384, 3.7006,
1.5288

■ 75.8707, 82.1833,
65.6243

■ 1.2811, 1.5075,
0.2393

■ 99.0497, 107.0266,
87.8367

■ 0.1690, 0.2940,
0.0000

126.5254,
136.4310, 114.5688

■ 0.0000, 0.0000,
0.0000

158.6634,

170.7809, 146.2390

195.8288,
210.4606, 183.2658

■ 18.8157, 20.7327,
13.5998

■ 18.8157, 20.7327,
13.5998

■ 18.1420, 20.2415,
10.7356

■ 19.5903, 21.2681,
16.9829

■ 17.5626, 19.7896,
8.3632

■ 20.4687, 21.8468,
20.9078

■ 17.0727, 19.3760,
6.4547

■ 21.4557, 22.4713,
25.3974

■ 16.6665, 18.9982,
4.9792

■ 22.5555, 23.1434,
30.4730

■ 16.3373, 18.6535,
3.9019

■ 23.7718, 23.8645,
36.1550

■ 16.0774, 18.3390,
3.1827

■ 25.1083, 24.6361,
42.4624

■ 15.8702, 18.0479,
2.7333

■ 26.5686, 25.4596,
49.4137

■ 15.8239, 17.9817,
2.6368

■ 28.1559, 26.3365,
57.0266

■ 29.8735, 27.2679,
65.3179

Harmonies

Analogous

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



20.7796, 20.7327, 13.6826



18.8157, 20.7327, 13.5998



17.1998, 20.7327, 15.6216

Triad

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



18.8157, 20.7327, 13.5998



17.0991, 20.7327, 30.9414



23.5687, 20.7327, 25.7323

Complementary

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



18.8157, 20.7327, 13.5998



12.9201, 12.5406, 22.8589

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.



22.4441, 20.7327, 31.3337



18.8157, 20.7327, 13.5998



18.6696, 20.7327, 34.6664

Square

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



18.8157, 20.7327, 13.5998



16.2543, 20.7327, 25.2632



20.6236, 20.7327, 34.8209



23.6143, 20.7327, 20.0835

Rectangle

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



18.8157, 20.7327, 13.5998



16.5008, 20.7327, 18.1213



20.6236, 20.7327, 34.8209



23.3011, 20.7327, 27.7030

Sweetspot

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



18.8162, 20.7336, 13.6002



35.9666, 38.4219, 36.4587



15.3665, 13.6146, 13.1275



8.0927, 8.6654, 8.0353



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.8162, 20.7336, 13.6002



32.3971, 35.9797, 20.7896



17.0735, 20.4185, 13.6313



4.6357, 4.9601, 4.6332



15.1749, 17.2462, 2.5290



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9201, 12.5406, 22.8589



20.2815, 19.1457, 39.8190



14.3389, 12.8686, 22.8474



4.1354, 4.2649, 5.4185



3.9787, 1.7760, 20.3830



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8157, 20.7327, 13.5998 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 18.8157, 20.7327, 13.5998 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

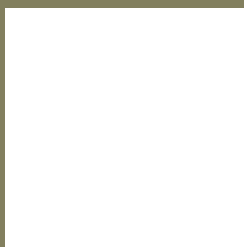
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8157, 20.7327, 13.5998

Background



This preview shows how black text looks on a background with the XYZ color 18.8157, 20.7327, 13.5998.



This preview shows how white text looks on a background with the XYZ color 18.8157, 20.7327,

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

18.8157, 20.7327, 13.5998

Protanopia

19.3011, 20.6084, 13.3165

Deuteranopia

20.9948, 20.5551, 13.6875



Tritanopia

21.1161, 20.7359, 24.7193

Trichromacy



Original Color

18.8157, 20.7327, 13.5998

Protanomaly

19.1095, 20.6986, 13.3440

Deuteranomaly

20.1330, 20.6549, 13.7521

Tritanomaly

20.1505, 20.7099, 20.0749

Monochromacy



Original Color

18.8157, 20.7327, 13.5998

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9184, 20.2951, 18.5430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8157, 20.7327, 13.5998 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(130, 127, 94)` looks like.

```
.text, #text, p{  
    color:rgb(130, 127, 94)  
}
```

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(130, 127, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 127, 94) }
```

Border

The CSS property to change the border of an element to XYZ 18.8157, 20.7327, 13.5998 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(130, 127, 94) }
```


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

```
.border{ border-color:rgb(130, 127, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 127, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 127, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 127, 94);  
box-shadow:4px 4px 4px 4px rgb(130, 127,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8157, 20.7327, 13.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 127, 94) }
```

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

```
.background{ background-color: rgb(130,  
127, 94) }
```

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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