

Converting Colors

XYZ(18.8518, 20.8086, 14.0267)

Have a look what the booklet for
XYZ(18.8518, 20.8086, 14.0267)
contains.

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Color

**XYZ(18.7540, 20.6904,
14.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	817F60
RGB	129, 127, 96
RGB Percent	51%, 50%, 38%
CMY	0.4941, 0.5019, 0.6235
CMYK	0.00, 0.02, 0.26, 0.49
HSL	56°, 15%, 44%
HSV	56°, 26%, 51%
XYZ	18.7540, 20.6904, 14.0715
YIQ	124.0640, 11.1430, -9.2170

Conversions

Conversions Part 2

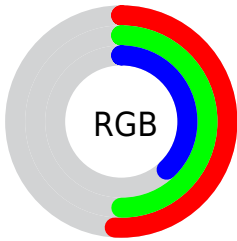
Format	Color
RYB	98, 129, 96
Decimal	8486752
CIELab	52.61, -4.64, 17.17
CIElCh	53, 17.791, 105.125
Yxy	20.6904, 0.3504, 0.3866
Android (android.graphics.Color)	4286676832 (0xFF817F60)
YUV	124.0640, -13.8356, 4.3289
Hunter-Lab	45.4867, -6.0068, 13.4991

Details

The XYZ color **18.7540, 20.6904, 14.0715** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.1540, 12.8069, 22.5478**, and the grayscale version is **19.2220, 20.2231, 22.0229**.

A 20% lighter version of the original color is **40.8791, 44.6942, 34.0760**, and **6.5032, 7.3328, 3.9783** is the 20% darker color. If you saturate the color by 10%, you get **18.1079, 20.2720, 11.1626**, and if you desaturate by 10%, it is **19.4994, 21.1513, 17.4950**.

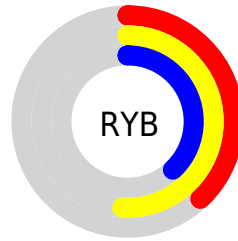
Distribution



Red (51%)

Green (50%)

Blue (38%)



Red (38%)

Yellow (51%)

Blue (38%)

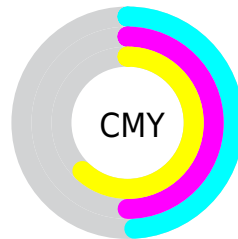


Cyan (0%)

Magenta (2%)

Yellow (26%)

Black (49%)



Cyan (49%)

Magenta (50%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7540, 20.6904, 14.0715 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 18.7540, 20.6904, 14.0715 by changing the saturation by 10% instead.

■ 18.7540, 20.6904,
14.0715

■ 18.7540, 20.6904,
14.0715

238.0516,
255.6285, 229.1191

■ 11.5956, 12.8979,
8.0311

■ 40.8381, 44.5717,
33.9348

■ 6.5392, 7.3583,
4.0268

■ 56.4945, 61.4293,
48.5948

■ 3.2194, 3.6872,
1.6401

■ 75.7143, 82.0773,
66.9650

■ 1.2708, 1.5001,
0.3192

■ 98.8629, 106.9003,
89.4640

■ 0.1612, 0.2888,
0.0000

126.3055,
136.2824, 116.5104

■ 0.0000, 0.0000,
0.0000

158.4076,

170.6083, 148.5227

195.5345,
210.2622, 185.9194

■ 18.7540, 20.6904,
14.0715

■ 18.7540, 20.6904,
14.0715

■ 18.1079, 20.2720,
11.1626

■ 19.4994, 21.1513,
17.4950

■ 17.5549, 19.8912,
8.7418

■ 20.3470, 21.6535,
21.4550

■ 17.0902, 19.5471,
6.7826

■ 21.3014, 22.1998,
25.9738

■ 16.7082, 19.2373,
5.2551

■ 22.3666, 22.7917,
31.0722

■ 16.4026, 18.9593,
4.1262

■ 23.5464, 23.4306,
36.7697

■ 16.1662, 18.7102,
3.3578

■ 24.8442, 24.1180,
43.0849

■ 15.9875, 18.4855,
2.8891

■ 26.2634, 24.8552,
50.0359

■ 15.9142, 18.3888,
2.7106

■ 27.8074, 25.6436,
57.6397

■ 29.4792, 26.4844,
65.9129

Harmonies

Analogous

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



20.5909, 20.6904, 14.0631



18.7540, 20.6904, 14.0715



17.2562, 20.6904, 16.0906

Triad

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



18.7540, 20.6904, 14.0715



17.2662, 20.6904, 30.5264



23.2992, 20.6904, 25.2398

Complementary

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



18.7540, 20.6904, 14.0715



13.1540, 12.8069, 22.5478

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.



22.2895, 20.6904, 30.4881



18.7540, 20.6904, 14.0715



18.7685, 20.6904, 33.8495

Square

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



18.7540, 20.6904, 14.0715



16.4345, 20.6904, 25.2859



20.6063, 20.6904, 33.8345



23.2947, 20.6904, 19.9789

Rectangle

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



18.7540, 20.6904, 14.0715



16.6182, 20.6904, 18.5174



20.6063, 20.6904, 33.8345



23.0645, 20.6904, 27.0802

Sweetspot

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



18.7545, 20.6913, 14.0719



36.0228, 38.5343, 36.4775



15.4504, 13.9188, 13.4774



8.1074, 8.6949, 8.0402



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.



18.7545, 20.6913, 14.0719



32.8530, 36.5833, 21.8915



16.9927, 20.1698, 14.0641



4.6438, 4.9763, 4.6359



15.5174, 17.9312, 2.6432



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1540, 12.8069, 22.5478



20.9460, 19.8216, 39.9145



14.6134, 13.2853, 22.5632



4.1281, 4.2503, 5.4161



3.9472, 1.7129, 20.3725



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.7540, 20.6904, 14.0715 looks on a white background.

Color Contrast Check

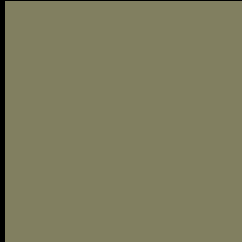
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7540, 20.6904, 14.0715 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

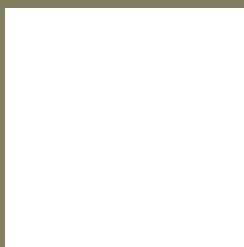
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7540, 20.6904, 14.0715

Background



This preview shows how black text looks on a background with the XYZ color 18.7540, 20.6904, 14.0715.

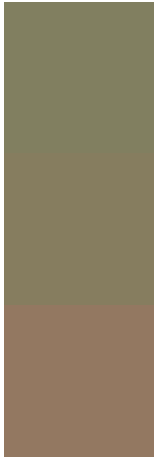


This preview shows how white text looks on a background with the XYZ color 18.7540, 20.6904,

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

18.7540, 20.6904, 14.0715

Protanopia

19.2307, 20.5618, 13.7817

Deuteranopia

20.9068, 20.4991, 14.1641



Tritanopia

20.9559, 20.6533, 24.7118

Trichromacy



Original Color

18.7540, 20.6904, 14.0715

Protanomaly

19.0421, 20.6535, 13.8094

Deuteranomaly

20.0558, 20.6044, 14.2293

Tritanomaly

20.0531, 20.6527, 20.3822

Monochromacy



Original Color

18.7540, 20.6904, 14.0715

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9751, 20.3178, 18.8412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7540, 20.6904, 14.0715 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(129, 127, 96)` looks like.

```
.text, #text, p{  
    color:rgb(129, 127, 96)  
}
```

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(129, 127, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 127, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.7540, 20.6904, 14.0715 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(129, 127, 96) }
```


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

```
.border{ border-color:rgb(129, 127, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 127, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 127, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 127, 96);  
box-shadow:4px 4px 4px 4px rgb(129, 127,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7540, 20.6904, 14.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 127, 96) }
```

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

```
.background{ background-color: rgb(129,  
127, 96) }
```

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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