

Converting Colors

XYZ(18.5740, 20.6964, 13.9919)

Have a look what the booklet for
XYZ(18.5740, 20.6964, 13.9919)
contains.

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Color

**XYZ(18.5829, 20.7949,
14.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8060
RGB	127, 128, 96
RGB Percent	50%, 50%, 38%
CMY	0.5020, 0.4980, 0.6235
CMYK	0.01, 0.00, 0.25, 0.50
HSL	62°, 14%, 44%
HSV	62°, 25%, 50%
XYZ	18.5829, 20.7949, 14.1007
YIQ	124.0530, 9.6760, -10.1640

Conversions

Conversions Part 2

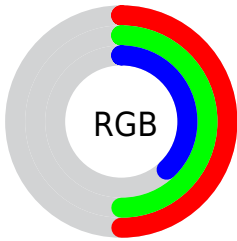
Format	Color
RYB	96, 128, 97
Decimal	8355936
CIELab	52.72, -6.03, 17.30
CIELCh	53, 18.323, 109.204
Yxy	20.7949, 0.3475, 0.3888
Android (android.graphics.Color)	4286546016 (0xFF7F8060)
YUV	124.0530, -13.8301, 2.5845
Hunter-Lab	45.6014, -7.0625, 13.5876

Details

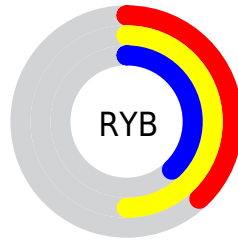
The XYZ color **18.5829, 20.7949, 14.1007** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.0097, 12.4662, 22.1438**, and the grayscale version is **19.2187, 20.2195, 22.0191**.

A 20% lighter version of the original color is **40.6127, 44.8576, 34.1216**, and **6.4109, 7.3915, 3.9945** is the 20% darker color. If you saturate the color by 10%, you get **17.9815, 20.5482, 11.2428**, and if you desaturate by 10%, it is **19.2816, 21.0820, 17.4650**.

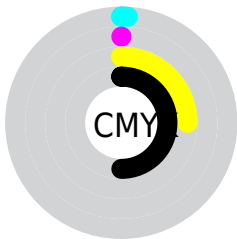
Distribution



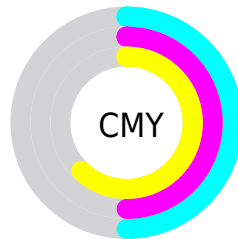
- Red (50%)
- Green (50%)
- Blue (38%)



- Red (38%)
- Yellow (50%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5829, 20.7949, 14.1007 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 18.5829, 20.7949, 14.1007 by changing the saturation by 10% instead.

■ 18.5829, 20.7949,
14.1007

■ 18.5829, 20.7949,
14.1007

237.1189,
256.1865, 229.3066

■ 11.4715, 12.9742,
8.0512

■ 40.5504, 44.7459,
33.9873

■ 6.4545, 7.4108,
4.0395

■ 56.1373, 61.6450,
48.6615

■ 3.1666, 3.7203,
1.6470

■ 75.2800, 82.3390,
67.0476

■ 1.2425, 1.5184,
0.3240

■ 98.3439, 107.2123,
89.5642

■ 0.1395, 0.3016,
0.0000

125.6944,
136.6493, 116.6299

■ 0.0000, 0.0000,
0.0000

157.6969,

171.0344, 148.6631

194.7166,
210.7520, 186.0825

■ 18.5829, 20.7949,
14.1007

■ 18.5829, 20.7949,
14.1007

■ 17.9815, 20.5482,
11.2428

■ 19.2816, 21.0820,
17.4650

■ 17.4712, 20.3372,
8.8655

■ 20.0803, 21.4084,
21.3571

■ 17.0475, 20.1608,
6.9428

■ 20.9836, 21.7767,
25.7990

■ 16.7048, 20.0170,
5.4457

■ 21.9954, 22.1884,
30.8106

■ 16.4370, 19.9031,
4.3418

■ 23.1192, 22.6450,
36.4114

■ 16.2371, 19.8164,
3.5942

■ 24.3587, 23.1478,
42.6195

■ 16.0946, 19.7527,
3.1481

■ 25.7170, 23.6983,
49.4524

■ 16.0306, 19.7237,
2.9622

■ 27.1974, 24.2975,
56.9270

■ 28.8030, 24.9469,
65.0594

Harmonies

Analogous

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



20.4599, 20.7949, 13.8120



18.5829, 20.7949, 14.1007



17.1163, 20.7949, 16.4492

Triad

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



18.5829, 20.7949, 14.1007



17.4641, 20.7949, 31.5612



23.5910, 20.7949, 24.6672

Complementary

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



18.5829, 20.7949, 14.1007



13.0097, 12.4662, 22.1438

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.



22.6736, 20.7949, 30.2218



18.5829, 20.7949, 14.1007



19.0858, 20.7949, 34.6068

Square

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



18.5829, 20.7949, 14.1007



16.4997, 20.7949, 26.2759



20.9960, 20.7949, 34.0807



23.4348, 20.7949, 19.3598

Rectangle

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



18.5829, 20.7949, 14.1007



16.5306, 20.7949, 19.1137



20.9960, 20.7949, 34.0807



23.3957, 20.7949, 26.5800

Sweetspot

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



18.5834, 20.7958, 14.1011



34.8852, 37.5000, 35.3162



15.2458, 13.8976, 12.9456



8.1233, 8.7617, 8.0523



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.



18.5834, 20.7958, 14.1011



32.0941, 36.3561, 21.8565



16.4457, 19.6938, 14.0011



4.6525, 5.0128, 4.6425



15.8948, 19.5564, 2.9370



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0097, 12.4662, 22.1438



20.5231, 19.0630, 38.5541



14.8299, 13.4045, 22.2290



4.1204, 4.2176, 5.4102



3.9135, 1.5712, 20.3470



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.5829, 20.7949, 14.1007 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 18.5829, 20.7949, 14.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

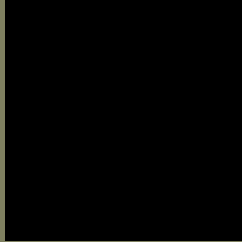
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5829, 20.7949, 14.1007

Background



This preview shows how black text looks on a background with the XYZ color 18.5829, 20.7949, 14.1007.



This preview shows how white text looks on a background with the XYZ color 18.5829, 20.7949,

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

18.5829, 20.7949, 14.1007

Protanopia

19.5181, 20.8988, 13.8316

Deuteranopia

21.0746, 20.7596, 14.4515



Tritanopia

20.8323, 20.7649, 25.1003

Trichromacy



Original Color

18.5829, 20.7949, 14.1007

Protanomaly

19.1706, 20.9105, 13.8522

Deuteranomaly

20.1805, 20.8538, 14.2708

Tritanomaly

19.9297, 20.7691, 20.7277

Monochromacy



Original Color

18.5829, 20.7949, 14.1007

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8283, 20.2421, 18.8343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5829, 20.7949, 14.1007 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(127, 128, 96)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 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(127, 128, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.5829, 20.7949, 14.1007 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(127, 128, 96) }
```


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

```
.border{ border-color:rgb(127, 128, 96) }
```

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

Here you see how a box with a 4 pixel rgb(127, 128, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 96);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5829, 20.7949, 14.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 96) }
```

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

```
.background{ background-color: rgb(127,  
128, 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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