

Converting Colors

XYZ(18.8445, 19.2686, 3.3863)

Have a look what the booklet for
XYZ(18.8445, 19.2686, 3.3863)
contains.

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Color

**XYZ(18.8174, 19.3033,
3.3959)**

Conversions

Conversions Part 1

Format	Color
Hex	947614
RGB	148, 118, 20
RGB Percent	58%, 46%, 8%
CMY	0.4196, 0.5372, 0.9216
CMYK	0.00, 0.20, 0.86, 0.42
HSL	46°, 76%, 33%
HSV	46°, 86%, 58%
XYZ	18.8174, 19.3033, 3.3959
YIQ	115.7980, 49.3380, -24.1180

Conversions

Conversions Part 2

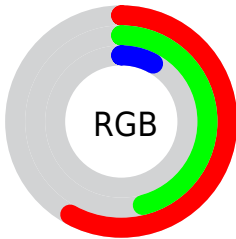
Format	Color
R_{YB}	59, 148, 20
Decimal	9729556
CIE _{Lab}	51.04, 2.45, 52.63
CIE _{LCh}	51, 52.689, 87.337
Yxy	19.3033, 0.4533, 0.4650
Android (android.graphics.Color)	4287919636 (0xFF947614)
YUV	115.7980, -47.2284, 28.2412
Hunter-Lab	43.9355, -0.4364, 26.1722

Details

The XYZ color **18.8174, 19.3033, 3.3959** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7743, 4.5679, 28.5413**, and the grayscale version is **16.6686, 17.5366, 19.0974**.

A 20% lighter version of the original color is **41.0983, 42.3793, 12.6705**, and **6.7044, 6.7075, 0.9413** is the 20% darker color. If you saturate the color by 10%, you get **18.3191, 18.4632, 2.7477**, and if you desaturate by 10%, it is **19.4080, 20.2059, 4.4521**.

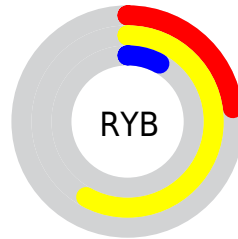
Distribution



Red (58%)

Green (46%)

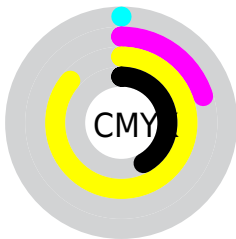
Blue (8%)



Red (23%)

Yellow (58%)

Blue (8%)

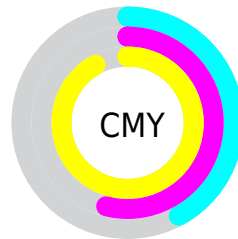


Cyan (0%)

Magenta (20%)

Yellow (86%)

Black (42%)



Cyan (42%)

Magenta (54%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8174, 19.3033, 3.3959 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 18.8174, 19.3033, 3.3959 by changing the saturation by 10% instead.

■ 18.8174, 19.3033,
3.3959

■ 18.8174, 19.3033,
3.3959

238.3964,
248.1181, 141.2535

■ 11.6416, 11.8896,
1.3002

■ 40.9446, 42.2460,
12.5906

■ 6.5706, 6.6686,
0.0619

■ 56.6267, 58.5438,
20.5267

■ 3.2390, 3.2557,
0.0000

■ 75.8750, 78.5718,
31.2467

■ 1.2814, 1.2666,
0.0000

■ 99.0548, 102.7143,
45.1691

■ 0.1692, 0.1152,
0.0000

■ 126.5315,
131.3558, 62.7124

■ 0.0000, 0.0000,
0.0000

■ 158.6704,

164.8807, 84.2952

195.8369,
203.6733, 110.3361

18.8174, 19.3033,
3.3959

18.8174, 19.3033,
3.3959

18.3191, 18.4632,
2.7477

19.4080, 20.2059,
4.4521

18.1531, 18.1769,
2.5517

20.1059, 21.1750,
6.0004

20.9222, 22.2159,
8.0963

21.8659, 23.3326,
10.7872

22.9454, 24.5286,
14.1156

■ 24.1680, 25.8071,
18.1200

■ 25.5406, 27.1711,
22.8358

■ 27.0697, 28.6234,
28.2961

■ 28.7612, 30.1666,
34.5318

Harmonies

Analogous

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



24.3140, 19.3033, 4.9188



18.8174, 19.3033, 3.3959



14.1135, 19.3033, 4.4289

Triad

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



18.8174, 19.3033, 3.3959



10.7981, 19.3033, 37.1732



28.1594, 19.3033, 40.6592

Complementary

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



18.8174, 19.3033, 3.3959



6.7743, 4.5679, 28.5413

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.



23.3527, 19.3033, 58.2847



18.8174, 19.3033, 3.3959



13.4464, 19.3033, 55.6887

Square

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



18.8174, 19.3033, 3.3959



10.0371, 19.3033, 19.7108



17.8849, 19.3033, 64.7873



30.3092, 19.3033, 22.3817

Rectangle

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



18.8174, 19.3033, 3.3959



11.9125, 19.3033, 6.9373



17.8849, 19.3033, 64.7873



26.7610, 19.3033, 47.1328

Sweetspot

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



18.8178, 19.3042, 3.3963



42.6358, 45.5277, 31.9452



13.0827, 7.0442, 3.9192



9.5725, 10.2283, 6.7581



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.



18.8178, 19.3042, 3.3963



31.8944, 31.8001, 4.4570



17.9186, 24.9431, 4.5321



6.1514, 6.5166, 6.1741



15.5273, 15.5689, 2.1867



0.2124, 0.2354, 0.0342

Inverse Universe

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



6.7743, 4.5679, 28.5413



10.3630, 5.6355, 49.9762



7.0118, 3.3687, 28.2973



5.6033, 5.8405, 7.3017



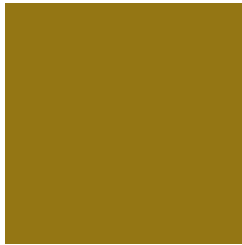
5.0895, 2.8739, 24.2175



0.0818, 0.0742, 0.3029

Previews

White Background



This preview shows how the XYZ color 18.8174, 19.3033, 3.3959 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 18.8174, 19.3033, 3.3959 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 18.8174, 19.3033, 3.3959

Background



This preview shows how black text looks on a background with the XYZ color 18.8174, 19.3033, 3.3959.



This preview shows how white text looks on a background with the XYZ color 18.8174, 19.3033,

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

18.8174, 19.3033, 3.3959

Protanopia

17.4114, 19.2916, 3.5154

Deuteranopia

19.7166, 19.4187, 3.4681



Tritanopia

22.1724, 19.3299, 19.7020

Trichromacy



Original Color

18.8174, 19.3033, 3.3959

Protanomaly

17.9572, 19.3916, 3.5060

Deuteranomaly

19.4455, 19.4521, 3.4392

Tritanomaly

20.3770, 19.0949, 10.5943

Monochromacy



Original Color

18.8174, 19.3033, 3.3959

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7486, 17.9059, 10.3580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8174, 19.3033, 3.3959 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(148, 118, 20)` looks like.

```
.text, #text, p{  
    color:rgb(148, 118, 20)  
}
```

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(148, 118, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 118, 20) }
```

Border

The CSS property to change the border of an element to XYZ 18.8174, 19.3033, 3.3959 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(148, 118, 20) }
```


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

```
.border{ border-color:rgb(148, 118, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 118, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 118, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 118, 20);  
box-shadow:4px 4px 4px 4px rgb(148, 118,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8174, 19.3033, 3.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 118, 20) }
```

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

```
.background{ background-color: rgb(148,  
118, 20) }
```

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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