

Converting Colors

XYZ(20.8002, 18.1432, 19.8585)

Have a look what the booklet for
XYZ(20.8002, 18.1432, 19.8585)
contains.

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Color

**XYZ(20.8002, 18.1432,
19.8585)**

Conversions

Conversions Part 1

Format	Color
Hex	946B77
RGB	148, 107, 119
RGB Percent	58%, 42%, 47%
CMY	0.4196, 0.5804, 0.5333
CMYK	0.00, 0.28, 0.20, 0.42
HSL	342°, 16%, 50%
HSV	342°, 28%, 58%
XYZ	20.8002, 18.1432, 19.8585
YIQ	120.6270, 20.5840, 12.4240

Conversions

Conversions Part 2

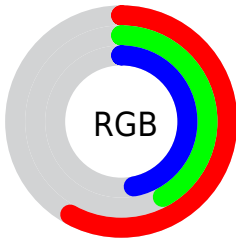
Format	Color
R_{YB}	148, 107, 119
Decimal	9726839
CIE _{Lab}	49.67, 18.25, -0.20
CIE _{LCh}	50, 18.253, 359.380
Yxy	18.1432, 0.3537, 0.3085
Android (android.graphics.Color)	4287916919 (0xFF946B77)
YUV	120.6270, -0.8021, 24.0061
Hunter-Lab	42.5948, 12.6254, 2.1743

Details

The XYZ color **20.8002, 18.1432, 19.8585** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0980, 26.0836, 27.2164**, and the grayscale version is **18.0520, 18.9921, 20.6824**.

A 20% lighter version of the original color is **44.3774, 40.4331, 43.9935**, and **7.5252, 6.0697, 6.7362** is the 20% darker color. If you saturate the color by 10%, you get **18.7928, 15.0796, 16.2564**, and if you desaturate by 10%, it is **23.1420, 21.7644, 23.9142**.

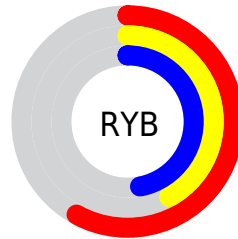
Distribution



Red (58%)

Green (42%)

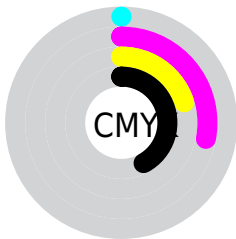
Blue (47%)



Red (58%)

Yellow (42%)

Blue (47%)

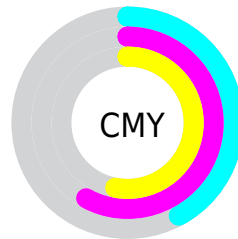


Cyan (0%)

Magenta (28%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8002, 18.1432, 19.8585 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 20.8002, 18.1432, 19.8585 by changing the saturation by 10% instead.

■ 20.8002, 18.1432,
19.8585

■ 20.8002, 18.1432,
19.8585

248.9666,
241.6770, 263.7269

■ 13.0897, 11.0528,
12.1092

■ 44.2486, 40.2812,
44.0357

■ 7.5677, 6.1024,
6.6946

■ 60.7171, 56.0976,
61.3006

■ 3.8691, 2.9074,
3.1963

■ 80.8357, 75.5915,
82.5745

■ 1.6283, 1.0836,
1.1957

■ 104.9696, 99.1473,
108.2758

■ 0.4108, 0.0000,
0.0000

133.4844,
127.1493, 138.8232

■ 0.0000, 0.0000,
0.0000

166.7452,

159.9820, 174.6352

205.1175,
198.0298, 216.1302

■ 20.8002, 18.1432,
19.8585

■ 20.8002, 18.1432,
19.8585

■ 18.7928, 15.0796,
16.2564

■ 23.1420, 21.7644,
23.9142

■ 17.1026, 12.5434,
13.0906

■ 25.8314, 25.9665,
28.4379

■ 15.7131, 10.5051,
10.3441

■ 28.8824, 30.7745,
33.4445

■ 14.6057, 8.9314,
7.9985

■ 32.3083, 36.2114,
38.9480

■ 13.7596, 7.7850,
6.0337

■ 36.1212, 42.2987,
44.9618

■ 13.1508, 7.0225,
4.4278

■ 40.3329, 49.0571,
51.4989

■ 12.7373, 6.5649,
3.1515

■ 44.9547, 56.5063,
58.5716

■ 12.6546, 6.4726,
2.8978

■ 49.9974, 64.6651,
66.1921

■ 55.4714, 73.5517,
74.3717

Harmonies

Analogous

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



20.2777, 18.1432, 25.0319



20.8002, 18.1432, 19.8585



20.3180, 18.1432, 15.4285

Triad

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



20.8002, 18.1432, 19.8585



15.6591, 18.1432, 12.5441



15.6005, 18.1432, 29.1704

Complementary

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



20.8002, 18.1432, 19.8585



21.0980, 26.0836, 27.2164

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.



14.4978, 18.1432, 24.8226



20.8002, 18.1432, 19.8585



14.5300, 18.1432, 15.2770

Square

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



20.8002, 18.1432, 19.8585



17.2807, 18.1432, 11.6584



14.1191, 18.1432, 19.6516



17.2085, 18.1432, 30.9315

Rectangle

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



20.8002, 18.1432, 19.8585



19.5090, 18.1432, 13.3540



14.1191, 18.1432, 19.6516



15.1625, 18.1432, 27.9306

Sweetspot

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



20.8007, 18.1440, 19.8589



45.3462, 45.4526, 49.7919



20.7083, 17.8636, 30.3737



10.1917, 10.1253, 11.1003



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.



20.8007, 18.1440, 19.8589



34.5215, 28.6773, 31.1580



21.0208, 19.6654, 16.5988



5.8665, 5.8417, 6.4030



10.8197, 5.5329, 2.5317



0.1440, 0.0724, 0.0921

Inverse Universe

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



20.8007, 18.1440, 19.8589



34.5215, 28.6773, 31.1580



20.7582, 23.9622, 31.5482



5.8665, 5.8417, 6.4030



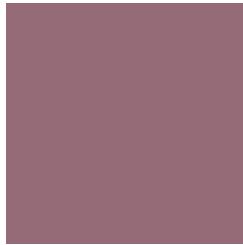
10.8197, 5.5329, 2.5317



0.1440, 0.0724, 0.0921

Previews

White Background



This preview shows how the XYZ color 20.8002, 18.1432, 19.8585 looks on a white 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

Black Background



This preview shows how the XYZ color 20.8002, 18.1432, 19.8585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

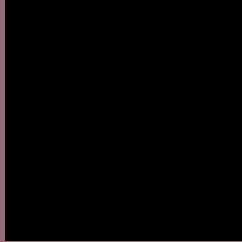
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8002, 18.1432, 19.8585

Background



This preview shows how black text looks on a background with the XYZ color 20.8002, 18.1432, 19.8585.



This preview shows how white text looks on a background with the XYZ color 20.8002, 18.1432,

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

20.8002, 18.1432, 19.8585

Protanopia

17.6513, 18.2891, 22.0019

Deuteranopia

18.6067, 18.3153, 19.6941



Tritanopia

20.7277, 18.2820, 18.9593

Trichromacy



Original Color

20.8002, 18.1432, 19.8585

Protanomaly

18.6457, 18.1318, 21.2559

Deuteranomaly

19.3807, 18.2147, 19.6339

Tritanomaly

20.7862, 18.3054, 19.2674

Monochromacy



Original Color

20.8002, 18.1432, 19.8585

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9956, 18.6721, 20.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8002, 18.1432, 19.8585 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, 107, 119)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 119)  
}
```

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, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.8002, 18.1432, 19.8585 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, 107, 119) }
```


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

```
.border{ border-color:rgb(148, 107, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8002, 18.1432, 19.8585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 119) }
```

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

```
.background{ background-color: rgb(148,  
107, 119) }
```

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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