

Converting Colors

XYZ(19.2072, 19.7767, 20.9343)

Have a look what the booklet for
XYZ(19.2072, 19.7767, 20.9343)
contains.

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Color

**XYZ(19.3128, 19.8887,
20.9102)**

Conversions

Conversions Part 1

Format	Color
Hex	807A79
RGB	128, 122, 121
RGB Percent	50%, 48%, 47%
CMY	0.4980, 0.5216, 0.5255
CMYK	0.00, 0.05, 0.05, 0.50
HSL	9°, 3%, 49%
HSV	9°, 5%, 50%
XYZ	19.3128, 19.8887, 20.9102
YIQ	123.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

Format	Color
R_{YB}	128, 122, 121
Decimal	8419961
CIE Lab	51.71, 2.09, 1.35
CIE LCh	52, 2.491, 32.942
Yxy	19.8887, 0.3213, 0.3309
Android (android.graphics.Color)	4286610041 (0xFF807A79)
YUV	123.6800, -1.3212, 3.7886
Hunter-Lab	44.5967, -0.7442, 3.4183

Details

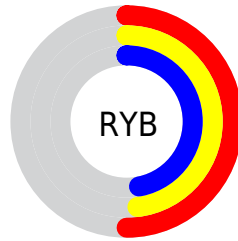
The XYZ color **19.3128, 19.8887, 20.9102** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3708, 20.8020, 23.4166**, and the grayscale version is **19.0555, 20.0479, 21.8322**.

A 20% lighter version of the original color is **41.7349, 43.1130, 45.6571**, and **6.8096, 6.9084, 7.2779** is the 20% darker color. If you saturate the color by 10%, you get **17.3080, 17.0528, 16.6228**, and if you desaturate by 10%, it is **21.5749, 23.0720, 25.7978**.

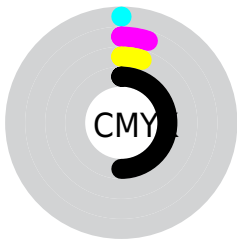
Distribution



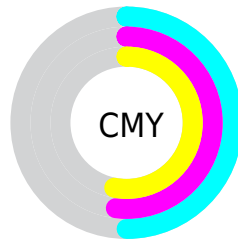
- Red (50%)
- Green (48%)
- Blue (47%)



- Red (50%)
- Yellow (48%)
- Blue (47%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3128, 19.8887, 20.9102 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 19.3128, 19.8887, 20.9102 by changing the saturation by 10% instead.

■ 19.3128, 19.8887,
20.9102

■ 19.3128, 19.8887,
20.9102

241.0753,
251.3119, 269.5662

■ 12.0019, 12.3142,
12.8678

■ 41.7748, 43.2305,
45.8169

■ 6.8172, 6.9580,
7.2079

■ 57.6566, 59.7666,
63.5182

■ 3.3933, 3.4359,
3.5120

■ 77.1260, 80.0586,
85.2763

■ 1.3650, 1.3633,
1.3617

100.5484,
104.4910, 111.5096

■ 0.2311, 0.1894,
0.1115

128.2892,
133.4481, 142.6367

■ 0.0000, 0.0000,
0.0000

160.7137,

167.3144, 179.0762

198.1873,
206.4742, 221.2465

■ 19.3128, 19.8887,
20.9102

■ 19.3128, 19.8887,
20.9102

■ 17.3080, 17.0528,
16.6228

■ 21.5749, 23.0720,
25.7978

■ 15.5497, 14.5501,
12.9111

■ 24.1013, 26.6112,
31.3062

■ 14.0289, 12.3690,
9.7511

■ 26.9008, 30.5179,
37.4564

■ 12.7352, 10.4965,
7.1162

■ 29.9813, 34.8022,
44.2685

■ 11.6577, 8.9186,
4.9780

■ 33.3502, 39.4738,
51.7612

■ 10.7843, 7.6201,
3.3051

■ 37.0149, 44.5423,
59.9527

■ 10.1020, 6.5846,
2.0627

■ 40.9823, 50.0168,
68.8606

■ 9.5959, 5.7940,
1.2109

■ 45.2593, 55.9059,
78.5018

■ 9.2462, 5.2265,
0.6880

■ 49.8524, 62.2183,
88.8924

Harmonies

Analogous

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



19.3912, 19.8887, 21.5843



19.3128, 19.8887, 20.9102



19.1247, 19.8887, 20.4440

Triad

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



19.3128, 19.8887, 20.9102



18.4758, 19.8887, 21.0308



18.9285, 19.8887, 23.0697

Complementary

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



19.3128, 19.8887, 20.9102



19.3708, 20.8020, 23.4166

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.



18.6843, 19.8887, 22.9137



19.3128, 19.8887, 20.9102



18.4243, 19.8887, 21.7266

Square

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



19.3128, 19.8887, 20.9102



18.6416, 19.8887, 20.5126



18.5002, 19.8887, 22.4181



19.1681, 19.8887, 22.8399

Rectangle

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



19.3128, 19.8887, 20.9102



18.9632, 19.8887, 20.3084



18.5002, 19.8887, 22.4181



18.8442, 19.8887, 23.0607

Sweetspot

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



19.3134, 19.8896, 20.9106



35.3150, 36.8664, 39.6401



19.5749, 19.7983, 22.8915



8.2814, 8.6500, 9.3093



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.



19.3134, 19.8896, 20.9106



33.3749, 34.1307, 35.4651



19.7422, 20.7472, 21.0536



4.4621, 4.5609, 4.7354



9.0475, 4.9913, 0.4866



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3708, 20.8020, 23.4166



33.5059, 36.2113, 41.1798



18.9352, 19.9307, 23.2714



4.4799, 4.8437, 5.5121



9.3586, 12.5357, 22.1763



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.3128, 19.8887, 20.9102 looks on a white background.

Color Contrast Check

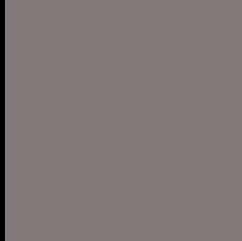
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3128, 19.8887, 20.9102 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

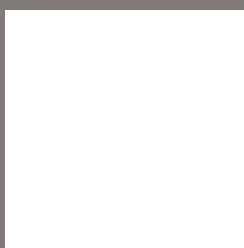
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3128, 19.8887, 20.9102

Background



This preview shows how black text looks on a background with the XYZ color 19.3128, 19.8887, 20.9102.



This preview shows how white text looks on a background with the XYZ color 19.3128, 19.8887,

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

19.3128, 19.8887, 20.9102

Protanopia

19.1383, 19.9820, 20.9374

Deuteranopia

20.2630, 19.8330, 21.1725



Tritanopia

19.9199, 19.9536, 23.9206

Trichromacy



Original Color

19.3128, 19.8887, 20.9102

Protanomaly

19.2865, 20.0584, 20.9443

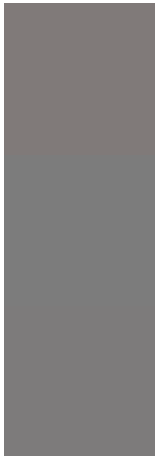
Deuteranomaly

19.9022, 19.8246, 21.1899

Tritanomaly

19.7214, 19.8742, 22.8753

Monochromacy



Original Color

19.3128, 19.8887, 20.9102

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1156, 19.9560, 21.5833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3128, 19.8887, 20.9102 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(128, 122, 121)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 121)  
}
```

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(128, 122, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 121) }
```

Border

The CSS property to change the border of an element to XYZ 19.3128, 19.8887, 20.9102 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(128, 122, 121) }
```


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

```
.border{ border-color:rgb(128, 122, 121) }
```

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

Here you see how a box with a 4 pixel rgb(128, 122, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3128, 19.8887, 20.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 121) }
```

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

```
.background{ background-color: rgb(128,  
122, 121) }
```

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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