

Converting Colors

XYZ(19.6277, 21.3084, 18.7948)

Have a look what the booklet for
XYZ(19.6277, 21.3084, 18.7948)
contains.

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Color

**XYZ(19.6019, 21.2198,
18.6855)**

Conversions

Conversions Part 1

Format	Color
Hex	808071
RGB	128, 128, 113
RGB Percent	50%, 50%, 44%
CMY	0.4980, 0.4980, 0.5569
CMYK	0.00, 0.00, 0.12, 0.50
HSL	60°, 6%, 47%
HSV	60°, 12%, 50%
XYZ	19.6019, 21.2198, 18.6855
YIQ	126.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

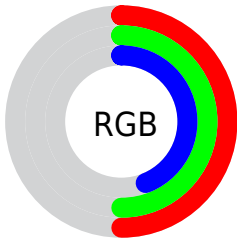
Format	Color
R_{YB}	113, 128, 113
Decimal	8421489
CIE _{Lab}	53.19, -2.82, 8.15
CIE _{LCh}	53, 8.624, 109.091
Yxy	21.2198, 0.3294, 0.3566
Android (android.graphics.Color)	4286611569 (0xFF808071)
YUV	126.2900, -6.5520, 1.4997
Hunter-Lab	46.0650, -4.6570, 8.1954

Details

The XYZ color **19.6019, 21.2198, 18.6855** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6123, 16.8801, 22.8058**, and the grayscale version is **19.9509, 20.9899, 22.8580**.

A 20% lighter version of the original color is **42.3715, 45.5881, 42.1635**, and **6.9746, 7.6359, 6.1073** is the 20% darker color. If you saturate the color by 10%, you get **18.9314, 20.9523, 15.1540**, and if you desaturate by 10%, it is **20.3752, 21.5299, 22.7533**.

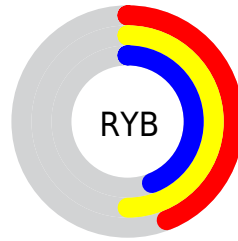
Distribution



Red (50%)

Green (50%)

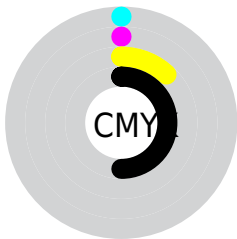
Blue (44%)



Red (44%)

Yellow (50%)

Blue (44%)

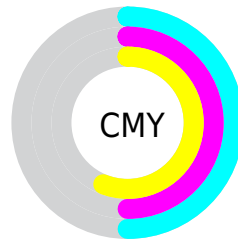


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (50%)



Cyan (50%)

Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6019, 21.2198, 18.6855 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 19.6019, 21.2198, 18.6855 by changing the saturation by 10% instead.

■ 19.6019, 21.2198,
18.6855

■ 19.6019, 21.2198,
18.6855

242.6266,
258.4443, 257.0716

■ 12.2126, 13.2848,
11.2687

■ 42.2578, 45.4531,
42.0316

■ 6.9618, 7.6249,
6.1315

■ 58.2550, 62.5201,
58.7980

■ 3.4844, 3.8559,
2.8551

■ 77.8523, 83.3999,
79.5180

■ 1.4148, 1.5933,
1.0211

■ 101.4150,
108.4768, 104.6102

■ 0.2667, 0.3531,
0.0000

129.3084,
138.1354, 134.4932

■ 0.0000, 0.0000,
0.0000

161.8979,

172.7598, 169.5853

199.5488,
212.7347, 210.3053

■ 19.6019, 21.2198,
18.6855

■ 19.6019, 21.2198,
18.6855

■ 18.9314, 20.9523,
15.1540

■ 20.3752, 21.5299,
22.7533

■ 18.3578, 20.7228,
12.1352

■ 21.2536, 21.8813,
27.3771

■ 17.8771, 20.5304,
9.6056

■ 22.2415, 22.2765,
32.5772

■ 17.4844, 20.3733,
7.5396

■ 23.3424, 22.7168,
38.3724

■ 17.1744, 20.2493,
5.9090

■ 24.5597, 23.2038,
44.7808

■ 16.9411, 20.1559,
4.6826

■ 25.8967, 23.7387,
51.8196

■ 16.7780, 20.0906,
3.8253

■ 27.3566, 24.3227,
59.5053

■ 16.6770, 20.0502,
3.2957

■ 28.9423, 24.9570,
67.8541

■ 16.6186, 20.0268,
2.9897

■ 30.6570, 25.6429,
76.8812

Harmonies

Analogous

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



20.5017, 21.2198, 18.5253



19.6019, 21.2198, 18.6855



18.8751, 21.2198, 19.9762

Triad

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



19.6019, 21.2198, 18.6855



19.0445, 21.2198, 27.1025



21.9361, 21.2198, 24.0661

Complementary

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



19.6019, 21.2198, 18.6855



16.6123, 16.8801, 22.8058

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.



21.5202, 21.2198, 26.5441



19.6019, 21.2198, 18.6855



19.8395, 21.2198, 28.3828

Square

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



19.6019, 21.2198, 18.6855



18.5601, 21.2198, 24.7828



20.7465, 21.2198, 28.1710



21.8678, 21.2198, 21.5042

Rectangle

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



19.6019, 21.2198, 18.6855



18.5781, 21.2198, 21.3622



20.7465, 21.2198, 28.1710



21.8478, 21.2198, 24.9396

Sweetspot

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



19.6025, 21.2207, 18.6860



35.5325, 37.7689, 38.2729



17.7885, 17.5922, 18.0812



8.2974, 8.8340, 8.8461



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.



19.6025, 21.2207, 18.6860



34.1870, 37.2306, 31.1906



18.5159, 20.6606, 18.6351



4.6653, 5.0194, 4.6431



16.4776, 19.8569, 2.9643



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6123, 16.8801, 22.8058



27.8641, 28.0521, 39.9023



17.6173, 17.3982, 22.8529



4.1089, 4.2118, 5.4097



3.8637, 1.5455, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.6019, 21.2198, 18.6855 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 19.6019, 21.2198, 18.6855 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

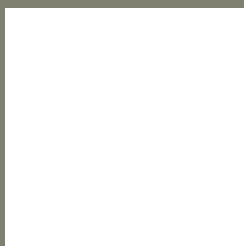
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6019, 21.2198, 18.6855

Background



This preview shows how black text looks on a background with the XYZ color 19.6019, 21.2198, 18.6855.



This preview shows how white text looks on a background with the XYZ color 19.6019, 21.2198,

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

19.6019, 21.2198, 18.6855

Protanopia

20.1869, 21.3351, 18.3834

Deuteranopia

21.4984, 21.0633, 18.8521



Tritanopia

21.0669, 21.2418, 25.9114

Trichromacy



Original Color

19.6019, 21.2198, 18.6855

Protanomaly

19.8741, 21.1739, 18.3687

Deuteranomaly

20.7261, 21.0335, 18.8871

Tritanomaly

20.4975, 21.1998, 23.0903

Monochromacy



Original Color

19.6019, 21.2198, 18.6855

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7930, 21.0712, 21.1131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6019, 21.2198, 18.6855 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, 128, 113)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 113)  
}
```

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, 128, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 113) }
```

Border

The CSS property to change the border of an element to XYZ 19.6019, 21.2198, 18.6855 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, 128, 113) }
```


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

```
.border{ border-color:rgb(128, 128, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 113);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6019, 21.2198, 18.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 113) }
```

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

```
.background{ background-color: rgb(128,  
128, 113) }
```

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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