

Converting Colors

XYZ(19.0739, 20.8961, 16.6163)

Have a look what the booklet for
XYZ(19.0739, 20.8961, 16.6163)
contains.

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Color

**XYZ(19.2228, 21.0681,
16.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	80806A
RGB	128, 128, 106
RGB Percent	50%, 50%, 42%
CMY	0.4980, 0.4980, 0.5843
CMYK	0.00, 0.00, 0.17, 0.50
HSL	60°, 9%, 46%
HSV	60°, 17%, 50%
XYZ	19.2228, 21.0681, 16.6891
YIQ	125.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

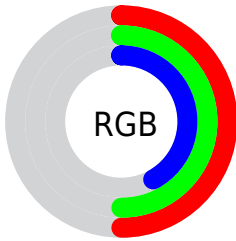
Format	Color
R_{YB}	106, 128, 106
Decimal	8421482
CIE _{Lab}	53.02, -4.03, 11.97
CIE _{LCh}	53, 12.631, 108.582
Yxy	21.0681, 0.3374, 0.3697
Android (android.graphics.Color)	4286611562 (0xFF80806A)
YUV	125.4920, -9.6096, 2.1995
Hunter-Lab	45.9000, -5.5697, 10.5723

Details

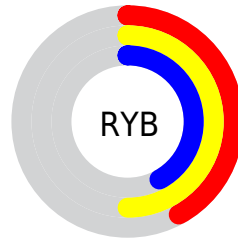
The XYZ color **19.2228, 21.0681, 16.6891** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9949, 14.9313, 22.5148**, and the grayscale version is **19.6892, 20.7146, 22.5582**.

A 20% lighter version of the original color is **41.6657, 45.3058, 38.4472**, and **6.8098, 7.5700, 5.2399** is the 20% darker color. If you saturate the color by 10%, you get **18.6063, 20.8222, 13.4411**, and if you desaturate by 10%, it is **19.9398, 21.3556, 20.4614**.

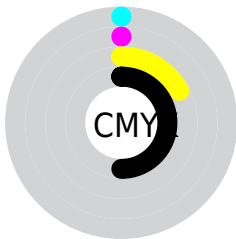
Distribution



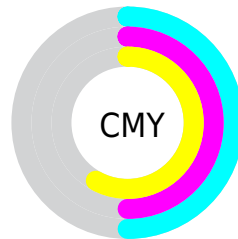
- Red (50%)
- Green (50%)
- Blue (42%)



- Red (42%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2228, 21.0681, 16.6891 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 19.2228, 21.0681, 16.6891 by changing the saturation by 10% instead.

■ 19.2228, 21.0681,
16.6891

■ 19.2228, 21.0681,
16.6891

240.5906,
257.6402, 245.3573

■ 11.9363, 13.1738,
9.8535

■ 41.6242, 45.2008,
38.5738

■ 6.7722, 7.5483,
5.1976

■ 57.4699, 62.2081,
54.4598

■ 3.3651, 3.8073,
2.3029

■ 76.8993, 83.0217,
74.1999

■ 1.3497, 1.5664,
0.7328

■ 100.2779,
108.0262, 98.2123

■ 0.2199, 0.3348,
0.0000

127.9709,
137.6059, 126.9157

■ 0.0000, 0.0000,
0.0000

160.3438,

172.1452, 160.7287

197.7619,
212.0285, 200.0697

■ 19.2228, 21.0681,
16.6891

■ 19.2228, 21.0681,
16.6891

■ 18.6063, 20.8222,
13.4411

■ 19.9398, 21.3556,
20.4614

■ 18.0842, 20.6133,
10.6929

■ 20.7598, 21.6837,
24.7784

■ 17.6524, 20.4406,
8.4201

■ 21.6872, 22.0546,
29.6609

■ 17.3058, 20.3019,
6.5959

■ 22.7257, 22.4701,
35.1284

■ 17.0387, 20.1950,
5.1905

■ 23.8787, 22.9313,
41.1992

■ 16.8448, 20.1175,
4.1706

■ 25.1497, 23.4397,
47.8911

■ 16.7169, 20.0663,
3.4981

■ 26.5419, 23.9966,
55.2211

■ 16.6399, 20.0355,
3.0936

■ 28.0583, 24.6032,
63.2053

■ 16.6201, 20.0275,
2.9897

■ 29.7019, 25.2607,
71.8595

Harmonies

Analogous

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



20.5338, 21.0681, 16.4987



19.2228, 21.0681, 16.6891



18.1722, 21.0681, 18.4387

Triad

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



19.2228, 21.0681, 16.6891



18.3843, 21.0681, 28.8648



22.6301, 21.0681, 24.4162

Complementary

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



19.2228, 21.0681, 16.6891



14.9949, 14.9313, 22.5148

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.



21.9988, 21.0681, 28.1191



19.2228, 21.0681, 16.6891



19.5239, 21.0681, 30.8702

Square

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



19.2228, 21.0681, 16.6891



17.7030, 21.0681, 25.3468



20.8484, 21.0681, 30.5832



22.5407, 21.0681, 20.6898

Rectangle

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



19.2228, 21.0681, 16.6891



17.7428, 21.0681, 20.3742



20.8484, 21.0681, 30.5832



22.4941, 21.0681, 25.7117

Sweetspot

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



19.2234, 21.0690, 16.6895



35.3895, 37.7117, 37.5196



16.6583, 15.9384, 15.8344



8.2665, 8.8217, 8.6835



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.



19.2234, 21.0690, 16.6895



33.3564, 36.8984, 26.8163



17.6576, 20.2618, 16.6163



4.6653, 5.0194, 4.6431



16.4792, 19.8577, 2.9644



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9949, 14.9313, 22.5148



24.3203, 23.7822, 39.2649



16.3870, 15.6490, 22.5800



4.1089, 4.2117, 5.4097



3.8636, 1.5455, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.2228, 21.0681, 16.6891 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 19.2228, 21.0681, 16.6891 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

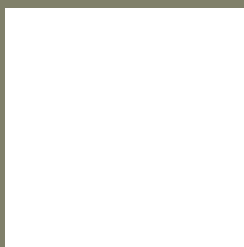
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2228, 21.0681, 16.6891

Background



This preview shows how black text looks on a background with the XYZ color 19.2228, 21.0681, 16.6891.



This preview shows how white text looks on a background with the XYZ color 19.2228, 21.0681,

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

19.2228, 21.0681, 16.6891

Protanopia

19.8422, 21.0100, 16.3741

Deuteranopia

21.4674, 21.0916, 16.8495



Tritanopia

21.0264, 21.0421, 25.5076

Trichromacy



Original Color

19.2228, 21.0681, 16.6891

Protanomaly

19.6549, 21.1042, 16.4022

Deuteranomaly

20.5090, 20.9658, 16.8758

Tritanomaly

20.3318, 20.9478, 22.0405

Monochromacy



Original Color

19.2228, 21.0681, 16.6891

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3351, 20.6653, 20.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2228, 21.0681, 16.6891 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 106) }
```

Border

The CSS property to change the border of an element to XYZ 19.2228, 21.0681, 16.6891 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, 106) }
```


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

```
.border{ border-color:rgb(128, 128, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2228, 21.0681, 16.6891 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, 106) }
```

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

```
.background{ background-color: rgb(128,  
128, 106) }
```

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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