

Converting Colors

XYZ(19.5805, 11.0972, 1.9978)

Have a look what the booklet for
XYZ(19.5805, 11.0972, 1.9978)
contains.

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Color

**XYZ(19.6804, 11.1555,
1.9801)**

Conversions

Conversions Part 1

Format	Color
Hex	B42618
RGB	180, 38, 24
RGB Percent	71%, 15%, 9%
CMY	0.2941, 0.8509, 0.9059
CMYK	0.00, 0.79, 0.87, 0.29
HSL	5°, 76%, 40%
HSV	5°, 87%, 71%
XYZ	19.6804, 11.1555, 1.9801
YIQ	78.8620, 89.1260, 25.7500

Conversions

Conversions Part 2

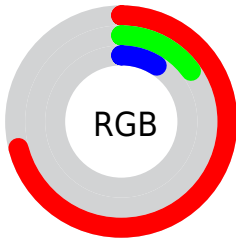
Format	Color
R_{YB}	180, 39, 24
Decimal	11806232
CIE Lab	39.84, 55.11, 43.68
CIE LCh	40, 70.322, 38.404
Yxy	11.1555, 0.5997, 0.3399
Android (android.graphics.Color)	4289996312 (0xFFB42618)
YUV	78.8620, -27.0470, 88.6980
Hunter-Lab	33.3999, 46.7289, 19.8649

Details

The XYZ color **19.6804, 11.1555, 1.9801** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.2489, 30.7575, 47.9439**, and the grayscale version is **7.4446, 7.8323, 8.5293**.

A 20% lighter version of the original color is **42.2505, 27.8626, 8.9455**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.1350, 10.2761, 1.1473**, and if you desaturate by 10%, it is **20.5778, 12.5457, 3.5275**.

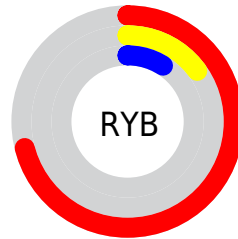
Distribution



Red (71%)

Green (15%)

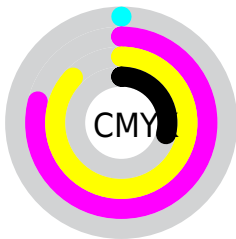
Blue (9%)



Red (71%)

Yellow (15%)

Blue (9%)

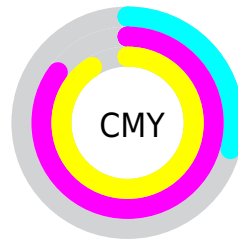


Cyan (0%)

Magenta (79%)

Yellow (87%)

Black (29%)



Cyan (29%)

Magenta (85%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6804, 11.1555, 1.9801 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 19.6804, 11.1555, 1.9801 by changing the saturation by 10% instead.

■ 19.6804, 11.1555,
1.9801

■ 19.6804, 11.1555,
1.9801

243.0463,
198.7313, 122.0670

■ 12.2698, 6.1715,
0.5430

■ 42.3887, 27.9474,
8.9863

■ 7.0012, 2.9497,
0.0000

■ 58.4172, 40.5240,
15.4509

■ 3.5092, 1.1055,
0.0000

■ 78.0491, 56.4004,
24.4478

■ 1.4284, 0.0000,
0.0000

■ 101.6497, 75.9608,
36.3957


■ 0.2763, 0.0000,
0.0000


■ 129.5844, 99.5897,
51.7130


■ 0.0000, 0.0000,
0.0000


■ 162.2184,


127.6715, 70.8183


 199.9173,
160.5906, 94.1301


 19.6804, 11.1555,
1.9801


 19.6804, 11.1555,
1.9801

 19.1350, 10.2761,
1.1473

 20.5778, 12.5457,
3.5275

 19.0100, 10.0788,
0.9435

 21.8771, 14.5078,
5.9223

 23.6187, 17.0959,
9.2628

 25.8382, 20.3570,
13.6339

 28.5674, 24.3338,
19.1109

■ 31.8352, 29.0654,
25.7622

■ 35.6686, 34.5879,
33.6505

■ 40.0926, 40.9353,
42.8341

■ 45.1308, 48.1396,
53.3677

Harmonies

Analogous

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



22.7097, 11.1555, 8.6572



19.6804, 11.1555, 1.9801



14.4046, 11.1555, 0.2312

Triad

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



19.6804, 11.1555, 1.9801



4.0968, 11.1555, 4.7478



12.0199, 11.1555, 62.0830

Complementary

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



19.6804, 11.1555, 1.9801



22.2489, 30.7575, 47.9439

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.



7.5370, 11.1555, 57.5043



19.6804, 11.1555, 1.9801



3.8106, 11.1555, 16.4661

Square

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



19.6804, 11.1555, 1.9801



5.8143, 11.1555, 0.9497



4.8604, 11.1555, 37.3159



17.4871, 11.1555, 47.2199

Rectangle

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



19.6804, 11.1555, 1.9801



10.8640, 11.1555, 0.0000



4.8604, 11.1555, 37.3159



10.3462, 11.1555, 62.9039

Sweetspot

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



19.6806, 11.1562, 1.9803



57.8671, 52.9080, 47.0046



26.1239, 13.1465, 37.7196



12.0454, 10.7681, 9.2158



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6806, 11.1562, 1.9803



34.3985, 18.1331, 1.6870



25.1179, 22.0306, 3.7927



8.5557, 8.6239, 8.8662



13.2905, 7.0795, 0.6660



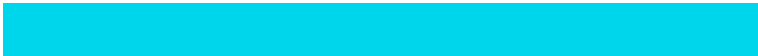
0.4382, 0.2628, 0.0276

Inverse Universe

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



22.2489, 30.7575, 47.9439



38.8651, 53.8300, 86.6364



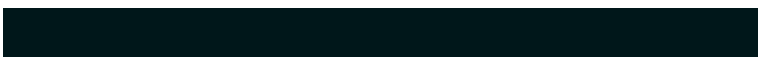
12.1873, 10.6342, 44.5900



8.6761, 9.4984, 10.8824



15.0198, 20.8399, 33.3679



0.4915, 0.6935, 1.0562

Previews

White Background



This preview shows how the XYZ color 19.6804, 11.1555, 1.9801 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



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

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

XYZ 19.6804, 11.1555, 1.9801

Background



This preview shows how black text looks on a background with the XYZ color 19.6804, 11.1555, 1.9801.



This preview shows how white text looks on a background with the XYZ color 19.6804, 11.1555,

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

19.6804, 11.1555, 1.9801

Protanopia

10.3859, 11.3885, 3.4845

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

19.8179, 11.1600, 2.8598

Trichromacy



Original Color

19.6804, 11.1555, 1.9801

Protanomaly

12.3962, 9.9939, 2.7145

Deuteranomaly

13.4579, 10.2770, 1.5328

Tritanomaly

19.7447, 11.1307, 2.4743

Monochromacy



Original Color

19.6804, 11.1555, 1.9801

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.8253, 7.6956, 5.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6804, 11.1555, 1.9801 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(180, 38, 24)` looks like.

```
.text, #text, p{  
    color:rgb(180, 38, 24)  
}
```

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(180, 38, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 38, 24) }
```

Border

The CSS property to change the border of an element to XYZ 19.6804, 11.1555, 1.9801 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(180, 38, 24) }
```


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

```
.border{ border-color:rgb(180, 38, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 38, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 38, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 38, 24);  
box-shadow:4px 4px 4px 4px rgb(180, 38,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6804, 11.1555, 1.9801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 38, 24) }
```

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

```
.background{ background-color: rgb(180, 38,  
24) }
```

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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