

Converting Colors

XYZ(20.0520, 18.2636, 6.1871)

Have a look what the booklet for
XYZ(20.0520, 18.2636, 6.1871)
contains.

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Color

**XYZ(19.9810, 18.1787,
6.1971)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6C38
RGB	157, 108, 56
RGB Percent	62%, 42%, 22%
CMY	0.3843, 0.5765, 0.7804
CMYK	0.00, 0.31, 0.64, 0.38
HSL	31°, 47%, 42%
HSV	31°, 64%, 62%
XYZ	19.9810, 18.1787, 6.1971
YIQ	116.7230, 45.8960, -5.7840

Conversions

Conversions Part 2

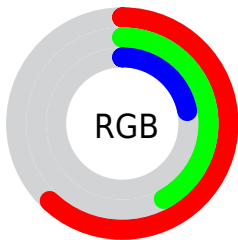
Format	Color
R_{YB}	151, 157, 56
Decimal	10316856
CIE _{Lab}	49.71, 14.06, 36.36
CIE _{LCh}	50, 38.988, 68.863
Yxy	18.1787, 0.4505, 0.4098
Android (android.graphics.Color)	4288506936 (0xFF9D6C38)
YUV	116.7230, -29.9364, 35.3229
Hunter-Lab	42.6365, 9.0377, 21.2279

Details

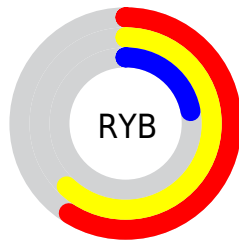
The XYZ color **19.9810, 18.1787, 6.1971** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.7680, 13.3777, 33.8074**, and the grayscale version is **16.9029, 17.7831, 19.3658**.

A 20% lighter version of the original color is **42.6795, 40.1123, 18.8576**, and **7.1921, 6.1798, 1.0435** is the 20% darker color. If you saturate the color by 10%, you get **18.8872, 16.5123, 4.2262**, and if you desaturate by 10%, it is **21.2663, 20.0355, 8.8263**.

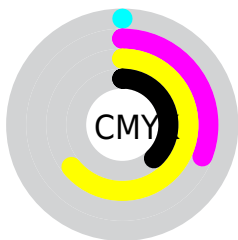
Distribution



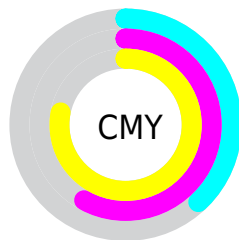
- Red (62%)
- Green (42%)
- Blue (22%)



- Red (59%)
- Yellow (62%)
- Blue (22%)



- Cyan (0%)
- Magenta (31%)
- Yellow (64%)
- Black (38%)



- Cyan (38%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9810, 18.1787, 6.1971 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 19.9810, 18.1787, 6.1971 by changing the saturation by 10% instead.

■ 19.9810, 18.1787,
6.1971

■ 19.9810, 18.1787,
6.1971

244.6478,
241.8764, 170.1843

■ 12.4894, 11.0784,
2.8946

■ 42.8895, 40.3416,
18.8233

■ 7.1525, 6.1196,
1.0411

■ 59.0372, 56.1729,
28.9841

■ 3.6048, 2.9179,
0.0000

■ 78.8009, 75.6834,
42.2681

■ 1.4811, 1.0890,
0.0000

■ 102.5460, 99.2574,
59.0937

■ 0.3129, 0.0000,
0.0000

■ 130.6379,
127.2793, 79.8796

■ 0.0000, 0.0000,
0.0000

■ 163.4419,

160.1335, 105.0443

201.3234,
198.2044, 135.0064

■ 19.9810, 18.1787,
6.1971

■ 19.9810, 18.1787,
6.1971

■ 18.8872, 16.5123,
4.2262

■ 21.2663, 20.0355,
8.8263

■ 17.9701, 15.0252,
2.8504

■ 22.7537, 22.0875,
12.1671

■ 17.2141, 13.7091,
1.9944

■ 24.4544, 24.3425,
16.2683

■ 16.8349, 13.0287,
1.6275

■ 26.3784, 26.8071,
21.1743

■ 28.5348, 29.4875,
26.9257

■ 30.9323, 32.3894,
33.5607

■ 33.5790, 35.5187,
41.1149

■ 36.4827, 38.8805,
49.6221

■ 39.6507, 42.4801,
59.1142

Harmonies

Analogous

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



23.4507, 18.1787, 9.5411



19.9810, 18.1787, 6.1971



16.2021, 18.1787, 5.6902

Triad

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



19.9810, 18.1787, 6.1971



11.1438, 18.1787, 23.1118



22.1531, 18.1787, 40.3487

Complementary

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



19.9810, 18.1787, 6.1971



12.7680, 13.3777, 33.8074

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.



18.4011, 18.1787, 47.6267



19.9810, 18.1787, 6.1971



12.2968, 18.1787, 35.5830

Square

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



19.9810, 18.1787, 6.1971



11.4412, 18.1787, 13.3015



14.8310, 18.1787, 45.6250



24.8243, 18.1787, 28.1142

Rectangle

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



19.9810, 18.1787, 6.1971



14.0579, 18.1787, 6.7493



14.8310, 18.1787, 45.6250



20.9564, 18.1787, 43.6244

Sweetspot

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



19.9814, 18.1796, 6.1974



49.1054, 50.3431, 42.8410



17.9465, 11.0476, 14.9591



10.5827, 10.7999, 8.8365



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.9814, 18.1796, 6.1974



33.1062, 28.4277, 6.4231



26.6754, 31.5675, 8.4288



6.9013, 7.1826, 7.0083



13.7103, 10.6563, 1.3343



0.2874, 0.2751, 0.0380

Inverse Universe

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



12.7680, 13.3777, 33.8074



19.1657, 19.1582, 59.8145



9.1310, 6.1036, 32.5950



6.5370, 6.9397, 8.4016



7.0878, 6.2672, 26.7434



0.1689, 0.1965, 0.4922

Previews

White Background



This preview shows how the XYZ color 19.9810, 18.1787, 6.1971 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 19.9810, 18.1787, 6.1971 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 19.9810, 18.1787, 6.1971

Background



This preview shows how black text looks on a background with the XYZ color 19.9810, 18.1787, 6.1971.



This preview shows how white text looks on a background with the XYZ color 19.9810, 18.1787,

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

19.9810, 18.1787, 6.1971

Protanopia

16.7463, 18.3347, 6.7940

Deuteranopia

18.6273, 18.2891, 6.1628



Tritanopia

22.2638, 18.2056, 17.0925

Trichromacy



Original Color

19.9810, 18.1787, 6.1971

Protanomaly

17.7097, 18.1424, 6.5714

Deuteranomaly

19.1365, 18.2240, 6.1234

Tritanomaly

21.2930, 18.1124, 12.0466

Monochromacy



Original Color

19.9810, 18.1787, 6.1971

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5986, 17.7664, 13.3282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9810, 18.1787, 6.1971 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(157, 108, 56)` looks like.

```
.text, #text, p{  
    color:rgb(157, 108, 56)  
}
```

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(157, 108, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 108, 56) }
```

Border

The CSS property to change the border of an element to XYZ 19.9810, 18.1787, 6.1971 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(157, 108, 56) }
```


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

```
.border{ border-color:rgb(157, 108, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 108, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 108, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 108, 56);  
box-shadow:4px 4px 4px 4px rgb(157, 108,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9810, 18.1787, 6.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 108, 56) }
```

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

```
.background{ background-color: rgb(157,  
108, 56) }
```

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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