

Converting Colors

XYZ(19.9555, 19.0696, 5.2507)

Have a look what the booklet for
XYZ(19.9555, 19.0696, 5.2507)
contains.

XYZ(19.9158, 18.9761, 5.1978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.9158, 18.9761,
5.1978)**

Conversions

Conversions Part 1

Format	Color
Hex	9B712E
RGB	155, 113, 46
RGB Percent	61%, 44%, 18%
CMY	0.3922, 0.5568, 0.8196
CMYK	0.00, 0.27, 0.70, 0.39
HSL	37°, 54%, 39%
HSV	37°, 70%, 61%
XYZ	19.9158, 18.9761, 5.1978
YIQ	117.9200, 46.5390, -11.9330

Conversions

Conversions Part 2

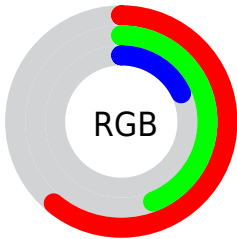
Format	Color
R_{YB}	114, 155, 46
Decimal	10187054
CIE _{Lab}	50.66, 9.65, 42.38
CIE _{LCh}	51, 43.463, 77.168
Yxy	18.9761, 0.4517, 0.4304
Android (android.graphics.Color)	4288377134 (0xFF9B712E)
YUV	117.9200, -35.4566, 32.5192
Hunter-Lab	43.5616, 5.3752, 23.4186

Details

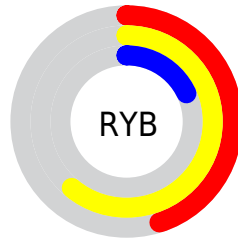
The XYZ color **19.9158, 18.9761, 5.1978** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.5325, 9.9262, 32.3708**, and the grayscale version is **17.2926, 18.1931, 19.8123**.

A 20% lighter version of the original color is **42.9613, 41.8826, 16.6463**, and **7.1458, 6.4899, 0.8761** is the 20% darker color. If you saturate the color by 10%, you get **19.0193, 17.5870, 3.6544**, and if you desaturate by 10%, it is **20.9673, 20.4989, 7.3376**.

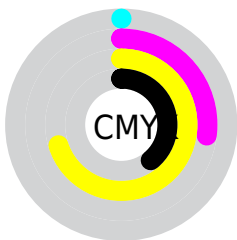
Distribution



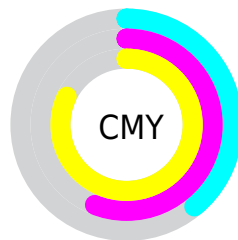
- Red (61%)
- Green (44%)
- Blue (18%)



- Red (45%)
- Yellow (61%)
- Blue (18%)



- Cyan (0%)
- Magenta (27%)
- Yellow (70%)
- Black (39%)



- Cyan (39%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9158, 18.9761, 5.1978 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 19.9158, 18.9761, 5.1978 by changing the saturation by 10% instead.

■ 19.9158, 18.9761,
5.1978

■ 19.9158, 18.9761,
5.1978

244.3012,
246.3168, 160.7309

■ 12.4418, 11.6530,
2.3030

■ 42.7810, 41.6937,
16.6896

■ 7.1196, 6.5079,
0.7329

■ 58.9029, 57.8570,
26.1237

■ 3.5840, 3.1563,
0.0000

■ 78.6380, 77.7359,
38.5746

■ 1.4696, 1.2139,
0.0000

■ 102.3519,
101.7146, 54.4609

■ 0.3050, 0.0730,
0.0000

■ 130.4098,
130.1777, 74.2012

■ 0.0000, 0.0000,
0.0000

■ 163.1771,

163.5095, 98.2139

201.0191,
202.0944, 126.9176

■ 19.9158, 18.9761,
5.1978

■ 19.9158, 18.9761,
5.1978

■ 19.0193, 17.5870,
3.6544

■ 20.9673, 20.4989,
7.3376

■ 18.2633, 16.3222,
2.6399

■ 22.1841, 22.1585,
10.1292

■ 17.6350, 15.2036,
2.0051

■ 23.5768, 23.9611,
13.6228

■ 25.1546, 25.9118,
17.8634

■ 26.9260, 28.0151,
22.8921

■ 28.8991, 30.2755,
28.7471

■ 31.0813, 32.6969,
35.4641

■ 33.4795, 35.2834,
43.0765

■ 36.1005, 38.0387,
51.6162

Harmonies

Analogous

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



24.1926, 18.9761, 7.7980



19.9158, 18.9761, 5.1978



15.7265, 18.9761, 5.3829

Triad

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



19.9158, 18.9761, 5.1978



11.2918, 18.9761, 28.3820



24.7291, 18.9761, 41.0466

Complementary

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



19.9158, 18.9761, 5.1978



10.5325, 9.9262, 32.3708

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.



20.5617, 18.9761, 52.1254



19.9158, 18.9761, 5.1978



13.0243, 18.9761, 43.0604

Square

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



19.9158, 18.9761, 5.1978



11.1749, 18.9761, 15.8806



16.2788, 18.9761, 52.9806



27.2517, 18.9761, 26.3174

Rectangle

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



19.9158, 18.9761, 5.1978



13.5294, 18.9761, 7.0460



16.2788, 18.9761, 52.9806



23.4468, 18.9761, 45.5357

Sweetspot

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



19.9162, 18.9770, 5.1982



47.8598, 49.7493, 39.9472



16.3230, 9.6540, 10.5871



10.6438, 11.0383, 8.4986



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.



19.9162, 18.9770, 5.1982



33.3124, 30.2654, 5.4691



23.7334, 29.5780, 7.0432



6.5089, 6.8229, 6.5797



14.2023, 12.2871, 1.6231



0.2474, 0.2538, 0.0360

Inverse Universe

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



10.5325, 9.9262, 32.3708



15.5129, 13.1778, 57.2622



8.5751, 5.1876, 31.5594



6.0699, 6.3971, 7.8438



6.0729, 4.5425, 25.4644



0.1244, 0.1351, 0.3919

Previews

White Background



This preview shows how the XYZ color 19.9158, 18.9761, 5.1978 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 19.9158, 18.9761, 5.1978 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 19.9158, 18.9761, 5.1978

Background



This preview shows how black text looks on a background with the XYZ color 19.9158, 18.9761, 5.1978.



This preview shows how white text looks on a background with the XYZ color 19.9158, 18.9761,

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

19.9158, 18.9761, 5.1978

Protanopia

17.3625, 19.0390, 5.5561

Deuteranopia

19.3669, 19.0302, 5.1351



Tritanopia

22.6885, 18.9966, 18.3905

Trichromacy



Original Color

19.9158, 18.9761, 5.1978

Protanomaly

18.1469, 18.9129, 5.3834

Deuteranomaly

19.4399, 18.8995, 5.1060

Tritanomaly

21.3724, 18.9276, 11.9781

Monochromacy



Original Color

19.9158, 18.9761, 5.1978

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5372, 18.0888, 12.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9158, 18.9761, 5.1978 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(155, 113, 46)` looks like.

```
.text, #text, p{  
    color:rgb(155, 113, 46)  
}
```

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(155, 113, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 113, 46) }
```

Border

The CSS property to change the border of an element to XYZ 19.9158, 18.9761, 5.1978 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(155, 113, 46) }
```


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

```
.border{ border-color:rgb(155, 113, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 113, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 113, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 113, 46);  
box-shadow:4px 4px 4px 4px rgb(155, 113,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9158, 18.9761, 5.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 113, 46) }
```

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

```
.background{ background-color: rgb(155,  
113, 46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor