

Converting Colors

XYZ(19.2044, 18.9888, 4.1965)

Have a look what the booklet for
XYZ(19.2044, 18.9888, 4.1965)
contains.

XYZ(19.1820, 18.9563, 4.1613)	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(19.1820, 18.9563,
4.1613)**

Conversions

Conversions Part 1

Format	Color
Hex	977322
RGB	151, 115, 34
RGB Percent	59%, 45%, 13%
CMY	0.4078, 0.5490, 0.8667
CMYK	0.00, 0.24, 0.77, 0.41
HSL	42°, 63%, 36%
HSV	42°, 77%, 59%
XYZ	19.1820, 18.9563, 4.1613
YIQ	116.5300, 47.4570, -17.5590

Conversions

Conversions Part 2

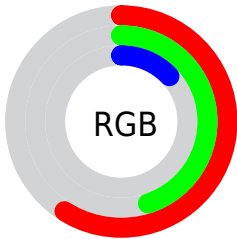
Format	Color
RYB	86, 151, 34
Decimal	9925410
CIELab	50.64, 6.06, 47.52
CIELCh	51, 47.907, 82.733
Yxy	18.9563, 0.4535, 0.4481
Android (android.graphics.Color)	4288115490 (0xFF977322)
YUV	116.5300, -40.6873, 30.2302
Hunter-Lab	43.5388, 2.4492, 24.8104

Details

The XYZ color **19.1820, 18.9563, 4.1613** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4357, 6.9546, 30.1758**, and the grayscale version is **16.8751, 17.7539, 19.3340**.

A 20% lighter version of the original color is **41.7529, 41.8486, 14.4713**, and **6.8310, 6.5011, 0.8948** is the 20% darker color. If you saturate the color by 10%, you get **18.4939, 17.8554, 3.0834**, and if you desaturate by 10%, it is **19.9934, 20.1508, 5.7528**.

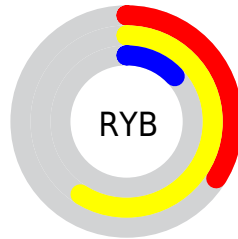
Distribution



Red (59%)

Green (45%)

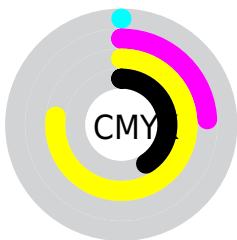
Blue (13%)



Red (34%)

Yellow (59%)

Blue (13%)

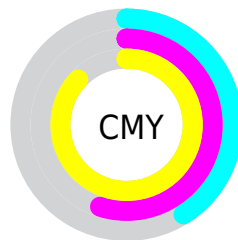


Cyan (0%)

Magenta (24%)

Yellow (77%)

Black (41%)



Cyan (41%)

Magenta (55%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1820, 18.9563, 4.1613 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 19.1820, 18.9563, 4.1613 by changing the saturation by 10% instead.

■ 19.1820, 18.9563,
4.1613

■ 19.1820, 18.9563,
4.1613

240.3705,
246.2074, 150.0017

■ 11.9066, 11.6387,
1.7142

■ 41.5559, 41.6602,
14.3801

■ 6.7519, 6.4982,
0.3705

■ 57.3852, 57.8154,
22.9889

■ 3.3524, 3.1503,
0.0000

■ 76.7965, 77.6852,
34.4887

■ 1.3427, 1.2107,
0.0000

■ 100.1551,
101.6540, 49.2981

■ 0.2149, 0.0704,
0.0000

■ 127.8265,
130.1062, 67.8355

■ 0.0000, 0.0000,
0.0000

■ 160.1759,

163.4263, 90.5196

197.5688,
201.9985, 117.7688

19.1820, 18.9563,
4.1613

19.1820, 18.9563,
4.1613

18.4939, 17.8554,
3.0834

19.9934, 20.1508,
5.7528

17.9078, 16.8366,
2.4152

20.9384, 21.4413,
7.9158

17.7676, 16.5896,
2.2657

22.0273, 22.8333,
10.7013

23.2691, 24.3309,
14.1546

24.6718, 25.9380,
18.3164

■ 26.2430, 27.6582,
23.2246

■ 27.9895, 29.4947,
28.9139

■ 29.9180, 31.4508,
35.4172

■ 32.0346, 33.5294,
42.7652

Harmonies

Analogous

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



24.0464, 18.9563, 6.1567



19.1820, 18.9563, 4.1613



14.7532, 18.9563, 4.8108

Triad

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



19.1820, 18.9563, 4.1613



10.9159, 18.9563, 32.3120



26.1866, 18.9563, 40.5545

Complementary

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



19.1820, 18.9563, 4.1613



8.4357, 6.9546, 30.1758

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.



21.7307, 18.9563, 54.7865



19.1820, 18.9563, 4.1613



13.0911, 18.9563, 48.7609

Square

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



19.1820, 18.9563, 4.1613



10.4724, 18.9563, 17.5435



16.9009, 18.9563, 58.3070



28.5217, 18.9563, 24.0814

Rectangle

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



19.1820, 18.9563, 4.1613



12.5659, 18.9563, 6.8907



16.9009, 18.9563, 58.3070



24.8537, 18.9563, 46.0069

Sweetspot

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



19.1824, 18.9572, 4.1617



45.2789, 47.6662, 36.1730



14.4735, 8.1791, 6.7858



10.0828, 10.6030, 7.5785



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.1824, 18.9572, 4.1617



32.3365, 30.6195, 4.6123



20.4924, 26.9590, 5.6371



6.5485, 6.9020, 6.5929



15.1414, 14.1652, 1.9361



0.2581, 0.2753, 0.0395

Inverse Universe

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



8.4357, 6.9546, 30.1758



12.3663, 8.4638, 53.4156



7.7584, 4.2036, 29.6805



6.0318, 6.3209, 7.8311



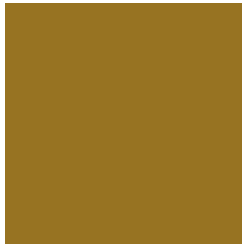
5.6214, 3.6395, 25.3139



0.1136, 0.1136, 0.3883

Previews

White Background



This preview shows how the XYZ color 19.1820, 18.9563, 4.1613 looks on a white background.

Color Contrast Check

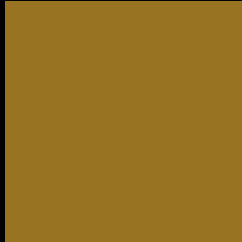
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1820, 18.9563, 4.1613 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 19.1820, 18.9563, 4.1613

Background



This preview shows how black text looks on a background with the XYZ color 19.1820, 18.9563, 4.1613.



This preview shows how white text looks on a background with the XYZ color 19.1820, 18.9563,

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

19.1820, 18.9563, 4.1613

Protanopia

17.3092, 19.0364, 4.4312

Deuteranopia

19.3684, 19.0524, 4.1700



Tritanopia

22.1204, 18.8443, 18.9944

Trichromacy



Original Color

19.1820, 18.9563, 4.1613

Protanomaly

17.8847, 18.9777, 4.3105

Deuteranomaly

19.3684, 19.0524, 4.1700

Tritanomaly

20.5821, 18.6938, 11.3276

Monochromacy



Original Color

19.1820, 18.9563, 4.1613

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0190, 17.8460, 11.5645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1820, 18.9563, 4.1613 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(151, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(151, 115, 34)  
}
```

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(151, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 115, 34) }
```

Border

The CSS property to change the border of an element to XYZ 19.1820, 18.9563, 4.1613 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(151, 115, 34) }
```


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

```
.border{ border-color:rgb(151, 115, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 115, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(151, 115,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1820, 18.9563, 4.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 115, 34) }
```

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

```
.background{ background-color: rgb(151,  
115, 34) }
```

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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