

Converting Colors

XYZ(19.9141, 18.7930, 4.8452)

Have a look what the booklet for
XYZ(19.9141, 18.7930, 4.8452)
contains.

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Color

**XYZ(19.9405, 18.8307,
4.8692)**

Conversions

Conversions Part 1

Format	Color
Hex	9C702B
RGB	156, 112, 43
RGB Percent	61%, 44%, 17%
CMY	0.3882, 0.5608, 0.8314
CMYK	0.00, 0.28, 0.72, 0.39
HSL	37°, 57%, 39%
HSV	37°, 72%, 61%
XYZ	19.9405, 18.8307, 4.8692
YIQ	117.2900, 48.3730, -12.1310

Conversions

Conversions Part 2

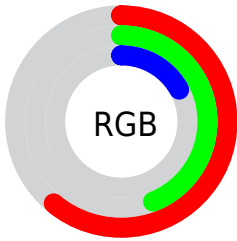
Format	Color
RYB	115, 156, 43
Decimal	10252331
CIELab	50.49, 10.51, 43.65
CIELCh	50, 44.894, 76.459
Yxy	18.8307, 0.4569, 0.4315
Android (android.graphics.Color)	4288442411 (0xFF9C702B)
YUV	117.2900, -36.6250, 33.9487
Hunter-Lab	43.3944, 6.0839, 23.7232

Details

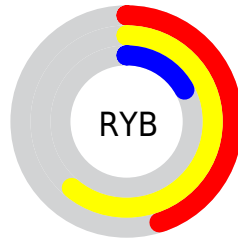
The XYZ color **19.9405, 18.8307, 4.8692** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.4050, 9.7298, 32.7818**, and the grayscale version is **17.0987, 17.9891, 19.5902**.

A 20% lighter version of the original color is **42.9388, 41.6198, 15.8955**, and **7.2002, 6.4335, 0.8623** is the 20% darker color. If you saturate the color by 10%, you get **19.0596, 17.4427, 3.4237**, and if you desaturate by 10%, it is **20.9770, 20.3548, 6.9070**.

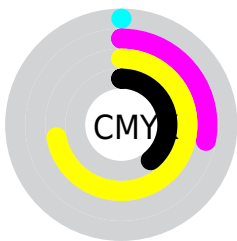
Distribution



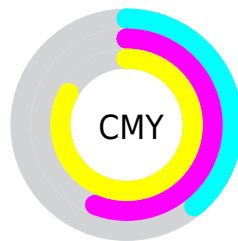
- Red (61%)
- Green (44%)
- Blue (17%)



- Red (45%)
- Yellow (61%)
- Blue (17%)



- Cyan (0%)
- Magenta (28%)
- Yellow (72%)
- Black (39%)



- Cyan (39%)
- Magenta (56%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9405, 18.8307, 4.8692 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 19.9405, 18.8307, 4.8692 by changing the saturation by 10% instead.

■ 19.9405, 18.8307,
4.8692

■ 19.9405, 18.8307,
4.8692

244.4325,
245.5125, 157.4455

■ 12.4598, 11.5480,
2.1133

■ 42.8221, 41.4478,
15.9694

■ 7.1321, 6.4367,
0.6237

■ 58.9537, 57.5511,
25.1508

■ 3.5919, 3.1124,
0.0000

■ 78.6997, 77.3632,
37.3111

■ 1.4740, 1.1907,
0.0000

■ 102.4254,
101.2688, 52.8689

■ 0.3080, 0.0541,
0.0000

■ 130.4962,
129.6521, 72.2427

■ 0.0000, 0.0000,
0.0000

■ 163.2774,

162.8976, 95.8510

201.1344,
201.3896, 124.1124

■ 19.9405, 18.8307,
4.8692

■ 19.9405, 18.8307,
4.8692

■ 19.0596, 17.4427,
3.4237

■ 20.9770, 20.3548,
6.9070

■ 18.3188, 16.1809,
2.4992

■ 22.1797, 22.0184,
9.5953

■ 17.8260, 15.2996,
2.0136

■ 23.5599, 23.8281,
12.9862

■ 25.1271, 25.7889,
17.1265

■ 26.8901, 27.9056,
22.0588

■ 28.8572, 30.1829,
27.8223

■ 31.0359, 32.6249,
34.4539

■ 33.4337, 35.2358,
41.9880

■ 36.0573, 38.0195,
50.4572

Harmonies

Analogous

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



24.3399, 18.8307, 7.5299



19.9405, 18.8307, 4.8692



15.6191, 18.8307, 4.9920

Triad

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



19.9405, 18.8307, 4.8692



10.9827, 18.8307, 28.1138



24.7136, 18.8307, 41.9767

Complementary

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



19.9405, 18.8307, 4.8692



10.4050, 9.7298, 32.7818

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.



20.3885, 18.8307, 53.3675



19.9405, 18.8307, 4.8692



12.7066, 18.8307, 43.3909

Square

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



19.9405, 18.8307, 4.8692



10.9029, 18.8307, 15.3647



16.0000, 18.8307, 53.9706



27.3838, 18.8307, 26.6765

Rectangle

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



19.9405, 18.8307, 4.8692



13.3506, 18.8307, 6.5910



16.0000, 18.8307, 53.9706



23.3760, 18.8307, 46.6205

Sweetspot

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



19.9409, 18.8316, 4.8696



48.8403, 50.6847, 40.0645



16.3439, 9.5037, 10.2492



10.5650, 10.9374, 8.2974



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.



19.9409, 18.8316, 4.8696



33.7441, 30.2142, 5.0614



23.9486, 29.9436, 6.8032



6.9531, 7.2863, 7.0256



14.7176, 12.6709, 1.6700



0.3033, 0.3069, 0.0433

Inverse Universe

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



10.4050, 9.7298, 32.7818



15.4868, 12.8828, 58.7971



8.4022, 4.9208, 31.9592



6.4860, 6.8377, 8.3846



6.3376, 4.7667, 26.4933



0.1530, 0.1647, 0.4869

Previews

White Background



This preview shows how the XYZ color 19.9405, 18.8307, 4.8692 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 19.9405, 18.8307, 4.8692 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 19.9405, 18.8307, 4.8692

Background



This preview shows how black text looks on a background with the XYZ color 19.9405, 18.8307, 4.8692.



This preview shows how white text looks on a background with the XYZ color 19.9405, 18.8307,

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

19.9405, 18.8307, 4.8692

Protanopia

17.3027, 19.0151, 5.2410

Deuteranopia

19.1977, 18.7811, 4.8038



Tritanopia

22.7302, 18.8725, 18.0675

Trichromacy



Original Color

19.9405, 18.8307, 4.8692

Protanomaly

18.2607, 18.9784, 5.0836

Deuteranomaly

19.4599, 18.7497, 4.7839

Tritanomaly

21.4221, 18.8006, 11.7323

Monochromacy



Original Color

19.9405, 18.8307, 4.8692

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3363, 17.8249, 12.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9405, 18.8307, 4.8692 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(156, 112, 43)` looks like.

```
.text, #text, p{  
    color:rgb(156, 112, 43)  
}
```

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(156, 112, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 112, 43) }
```

Border

The CSS property to change the border of an element to XYZ 19.9405, 18.8307, 4.8692 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(156, 112, 43) }
```


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

```
.border{ border-color:rgb(156, 112, 43) }
```

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

Here you see how a box with a 4 pixel rgb(156, 112, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 112, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 112, 43);  
box-shadow:4px 4px 4px 4px rgb(156, 112,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9405, 18.8307, 4.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 112, 43) }
```

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

```
.background{ background-color: rgb(156,  
112, 43) }
```

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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