

Converting Colors

XYZ(19.2700, 19.7709, 4.0159)

Have a look what the booklet for
XYZ(19.2700, 19.7709, 4.0159)
contains.

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Color

**XYZ(19.2256, 19.6770,
4.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	95771E
RGB	149, 119, 30
RGB Percent	58%, 47%, 12%
CMY	0.4157, 0.5333, 0.8823
CMYK	0.00, 0.20, 0.80, 0.42
HSL	45°, 66%, 35%
HSV	45°, 80%, 58%
XYZ	19.2256, 19.6770, 4.0130
YIQ	117.8240, 46.4490, -21.3190

Conversions

Conversions Part 2

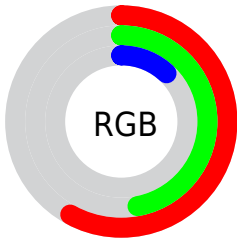
Format	Color
R_{YB}	70, 149, 30
Decimal	9795358
CIE _{Lab}	51.47, 2.69, 49.77
CIE _{LCh}	51, 49.842, 86.910
Yxy	19.6770, 0.4480, 0.4585
Android (android.graphics.Color)	4287985438 (0xFF95771E)
YUV	117.8240, -43.2972, 27.3414
Hunter-Lab	44.3588, -0.2639, 25.6874

Details

The XYZ color **19.2256, 19.6770, 4.0130** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5760, 5.6774, 29.1301**, and the grayscale version is **17.2863, 18.1866, 19.8052**.

A 20% lighter version of the original color is **41.5395, 42.8568, 14.0655**, and **6.8693, 6.8862, 0.9671** is the 20% darker color. If you saturate the color by 10%, you get **18.6404, 18.7425, 3.0910**, and if you desaturate by 10%, it is **19.9193, 20.6847, 5.4155**.

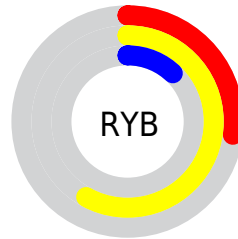
Distribution



Red (58%)

Green (47%)

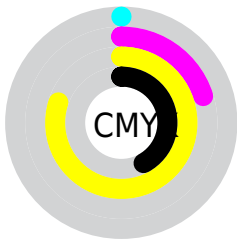
Blue (12%)



Red (27%)

Yellow (58%)

Blue (12%)

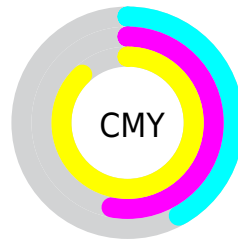


Cyan (0%)

Magenta (20%)

Yellow (80%)

Black (42%)



Cyan (42%)


Magenta (53%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2256, 19.6770, 4.0130 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 19.2256, 19.6770, 4.0130 by changing the saturation by 10% instead.


 19.2256, 19.6770,
4.0130


 19.2256, 19.6770,
4.0130


240.6057,
250.1611, 148.3698


 11.9384, 12.1605,
1.6325


 41.6289, 42.8750,
14.0397

 6.7736, 6.8531,
0.3138


 57.4757, 59.3252,
22.5230

 3.3660, 3.3704,
0.0000

 76.9064, 79.5222,
33.8776

 1.3501, 1.3280,
0.0000

 100.2863,
103.8502, 48.5222

 0.2203, 0.1627,
0.0000

 127.9808,
132.6937, 66.8751

 0.0000, 0.0000,
0.0000

 160.3553,

166.4371, 89.3550

197.7752,
205.4648, 116.3803

19.2256, 19.6770,
4.0130

19.2256, 19.6770,
4.0130

18.6404, 18.7425,
3.0910

19.9193, 20.6847,
5.4155

18.1338, 17.8667,
2.4987

20.7317, 21.7677,
7.3566

18.1271, 17.8550,
2.4910

21.6730, 22.9311,
9.8872

22.7518, 24.1787,
13.0522

23.9760, 25.5140,
16.8919

■ 25.3529, 26.9402,
21.4435

■ 26.8890, 28.4602,
26.7411

■ 28.5907, 30.0768,
32.8170

■ 30.4639, 31.7926,
39.7014

Harmonies

Analogous

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



24.4589, 19.6770, 5.6435



19.2256, 19.6770, 4.0130



14.6792, 19.6770, 5.0552

Triad

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



19.2256, 19.6770, 4.0130



11.3713, 19.6770, 36.4620



27.9709, 19.6770, 40.2517

Complementary

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



19.2256, 19.6770, 4.0130



7.5760, 5.6774, 29.1301

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.



23.4007, 19.6770, 56.5600



19.2256, 19.6770, 4.0130



13.9284, 19.6770, 53.7713

Square

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



19.2256, 19.6770, 4.0130



10.6499, 19.6770, 19.9743



18.1888, 19.6770, 62.3675



30.0414, 19.6770, 22.9441

Rectangle

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



19.2256, 19.6770, 4.0130



12.5223, 19.6770, 7.5809



18.1888, 19.6770, 62.3675



26.6403, 19.6770, 46.2826

Sweetspot

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



19.2260, 19.6780, 4.0134



44.2294, 47.0455, 34.4720



13.7209, 7.6631, 5.2754



9.6278, 10.2445, 7.0675



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.2260, 19.6780, 4.0134



32.6580, 32.2974, 4.7354



18.8997, 25.6703, 5.1872



6.1429, 6.4996, 6.1713



15.2810, 15.0763, 2.1046



0.2105, 0.2314, 0.0336

Inverse Universe

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



7.5760, 5.6774, 29.1301



11.1617, 6.6352, 51.6137



7.6206, 3.9912, 28.8022



5.6112, 5.8565, 7.3044



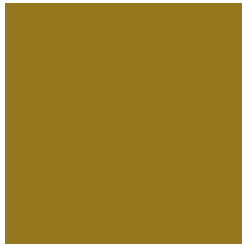
5.1583, 3.0113, 24.2404



0.0838, 0.0782, 0.3036

Previews

White Background



This preview shows how the XYZ color 19.2256, 19.6770, 4.0130 looks on a white background.

Color Contrast Check

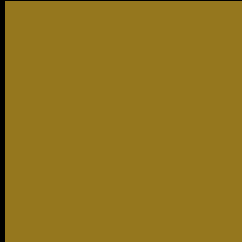
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2256, 19.6770, 4.0130 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 19.2256, 19.6770, 4.0130

Background



This preview shows how black text looks on a background with the XYZ color 19.2256, 19.6770, 4.0130.



This preview shows how white text looks on a background with the XYZ color 19.2256, 19.6770,

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

19.2256, 19.6770, 4.0130

Protanopia

17.8115, 19.6681, 4.1539

Deuteranopia

20.1262, 19.7901, 4.0554



Tritanopia

22.5318, 19.6694, 20.0618

Trichromacy



Original Color

19.2256, 19.6770, 4.0130

Protanomaly

18.3622, 19.7688, 4.1443

Deuteranomaly

19.8626, 19.8281, 4.0767

Tritanomaly

20.8745, 19.4951, 11.6795

Monochromacy



Original Color

19.2256, 19.6770, 4.0130

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2114, 18.2959, 11.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2256, 19.6770, 4.0130 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(149, 119, 30)` looks like.

```
.text, #text, p{  
    color:rgb(149, 119, 30)  
}
```

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(149, 119, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 119, 30) }
```

Border

The CSS property to change the border of an element to XYZ 19.2256, 19.6770, 4.0130 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(149, 119, 30) }
```


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

```
.border{ border-color:rgb(149, 119, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 119, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 119, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 119, 30);  
box-shadow:4px 4px 4px 4px rgb(149, 119,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2256, 19.6770, 4.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 119, 30) }
```

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

```
.background{ background-color: rgb(149,  
119, 30) }
```

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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