

Converting Colors

XYZ(18.8994, 20.3163, 0.1647)

Have a look what the booklet for
XYZ(18.8994, 20.3163, 0.1647)
contains.

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Color

**XYZ(19.4774, 20.5555,
2.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	957B00
RGB	149, 123, 0
RGB Percent	58%, 48%, 0%
CMY	0.4157, 0.5176, 1.0000
CMYK	0.00, 0.17, 1.00, 0.42
HSL	50°, 100%, 29%
HSV	50°, 100%, 58%
XYZ	19.4774, 20.5555, 2.9410
YIQ	116.7520, 54.9790, -32.7410

Conversions

Conversions Part 2

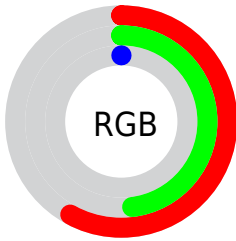
Format	Color
R_{YB}	31, 149, 0
Decimal	9796352
CIE Lab	52.46, -0.30, 58.03
CIE LCh	52, 58.027, 90.299
Yxy	20.5555, 0.4532, 0.4783
Android (android.graphics.Color)	4287986432 (0xFF957B00)
YUV	116.7520, -57.5587, 28.2815
Hunter-Lab	45.3382, -2.6577, 27.8907

Details

The XYZ color **19.4774, 20.5555, 2.9410** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7943, 2.9088, 28.6896**, and the grayscale version is **16.9930, 17.8780, 19.4691**.

A 20% lighter version of the original color is **42.0455, 44.3187, 11.4926**, and **7.1322, 7.4118, 1.0547** is the 20% darker color. If you saturate the color by 10%, you get **19.4777, 20.5562, 2.9412**, and if you desaturate by 10%, it is **19.8902, 21.2443, 3.5007**.

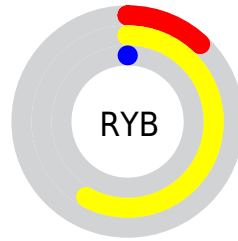
Distribution



Red (58%)

Green (48%)

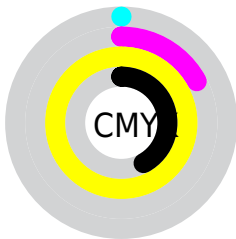
Blue (0%)



Red (12%)

Yellow (58%)

Blue (0%)

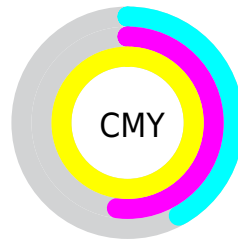


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4774, 20.5555, 2.9410 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 19.4774, 20.5555, 2.9410 by changing the saturation by 10% instead.

■ 19.4774, 20.5555,
2.9410

■ 19.4774, 20.5555,
2.9410

241.9596,
254.9067, 135.6056

■ 12.1218, 12.7995,
1.0646

■ 42.0499, 44.3466,
11.4825

■ 6.8995, 7.2906,
0.0000

■ 57.9975, 61.1504,
18.9847

■ 3.4451, 3.6445,
0.0000

■ 77.5399, 81.7390,
29.1992

■ 1.3933, 1.4768,
0.0000

■ 101.0422,
106.4967, 42.5445

■ 0.2514, 0.2723,
0.0000


■ 128.8701,
135.8079, 59.4393


■ 0.0000, 0.0000,
0.0000

■ 161.3887,


170.0571, 80.3021


 198.9634,
209.6285, 105.5513


 19.4774, 20.5555,
2.9410


 19.4774, 20.5555,
2.9410


 19.4777, 20.5562,
2.9412

 19.8902, 21.2443,
3.5007

 20.3720, 21.9738,
4.3830

 20.9523, 22.7565,
5.7413

 21.6424, 23.5972,
7.6347

 22.4520, 24.4998,
10.1140

■ 23.3897, 25.4679,
13.2240

■ 24.4633, 26.5045,
17.0050

■ 25.6797, 27.6128,
21.4942

■ 27.0457, 28.7954,
26.7258

Harmonies

Analogous

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



25.8227, 20.5555, 4.2102



19.4774, 20.5555, 2.9410



14.2804, 20.5555, 4.2669

Triad

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



19.4774, 20.5555, 2.9410



11.1799, 20.5555, 43.5064



31.3563, 20.5555, 43.0441

Complementary

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



19.4774, 20.5555, 2.9410



5.7943, 2.9088, 28.6896

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.



25.9481, 20.5555, 64.6904



19.4774, 20.5555, 2.9410



14.3649, 20.5555, 65.0399

Square

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



19.4774, 20.5555, 2.9410



10.1297, 20.5555, 22.5539



19.5975, 20.5555, 74.2760



33.4779, 20.5555, 22.2099

Rectangle

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



19.4774, 20.5555, 2.9410



11.9437, 20.5555, 7.2243



19.5975, 20.5555, 74.2760



29.8144, 20.5555, 50.7819

Sweetspot

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



19.4779, 20.5565, 2.9414



43.6858, 47.3491, 30.0029



12.5960, 6.4703, 1.6416



9.5142, 10.3342, 6.0530



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.



19.4779, 20.5565, 2.9414



34.7654, 36.5800, 5.2283



16.2063, 24.3089, 3.8381



6.1803, 6.5743, 6.1837



16.4124, 17.3392, 2.4818



0.2191, 0.2486, 0.0364

Inverse Universe

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



5.7943, 2.9088, 28.6896



10.2818, 5.0195, 51.3482



6.6058, 2.7789, 28.6218



5.5765, 5.7869, 7.2928



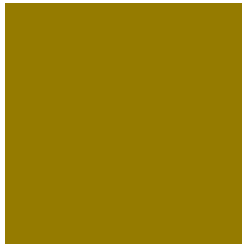
4.8929, 2.4806, 24.1520



0.0752, 0.0610, 0.3007

Previews

White Background



This preview shows how the XYZ color 19.4774, 20.5555, 2.9410 looks on a white background.

Color Contrast Check

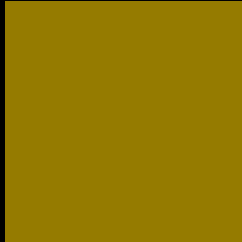
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4774, 20.5555, 2.9410 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 19.4774, 20.5555, 2.9410

Background



This preview shows how black text looks on a background with the XYZ color 19.4774, 20.5555, 2.9410.



This preview shows how white text looks on a background with the XYZ color 19.4774, 20.5555,

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

19.4774, 20.5555, 2.9410

Protanopia

18.6491, 20.6856, 3.1821

Deuteranopia

20.9613, 20.5911, 3.2175



Tritanopia

23.3028, 20.5326, 21.4739

Trichromacy



Original Color

19.4774, 20.5555, 2.9410

Protanomaly

19.0326, 20.6957, 3.1064

Deuteranomaly

20.2779, 20.4190, 3.1022

Tritanomaly

20.8733, 20.0449, 9.9766

Monochromacy



Original Color

19.4774, 20.5555, 2.9410

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8861, 18.3552, 9.1315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4774, 20.5555, 2.9410 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 123, 0)  
}
```

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, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4774, 20.5555, 2.9410 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, 123, 0) }
```


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

```
.border{ border-color:rgb(149, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4774, 20.5555, 2.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 123, 0) }
```

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

```
.background{ background-color: rgb(149,  
123, 0) }
```

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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