

Converting Colors

$Y_{xy}(11.7688, 0.5219, 0.3880)$

Have a look what the booklet for
Yxy(11.7688, 0.5219, 0.3880)
contains.

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Color

$Yxy(11.7688, 0.5219, 0.3880)$

Conversions

Conversions Part 1

Format	Color
Hex	994A1F
RGB	153, 74, 31
RGB Percent	60%, 29%, 12%
CMY	0.4001, 0.7097, 0.8785
CMYK	0.00, 0.52, 0.80, 0.40
HSL	21°, 66%, 36%
HSV	21°, 80%, 60%
XYZ	15.8302, 11.7688, 2.7329
YIQ	92.7190, 60.8870, 3.3750

Conversions

Conversions Part 2

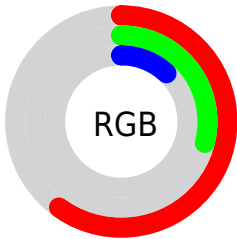
Format	Color
R_{YB}	153, 97, 31
Decimal	10045983
CIE Lab	40.85, 30.07, 39.45
CIE LCh	41, 49.606, 52.686
Yxy	11.7688, 0.5219, 0.3880
Android (android.graphics.Color)	4288236063 (0xFF994A1F)
YUV	92.7190, -30.4275, 52.8664
Hunter-Lab	34.3057, 22.3333, 19.2907

Details

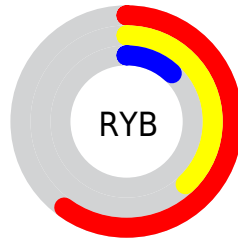
The Yxy color **11.7688, 0.5219, 0.3880** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.7322, 0.2057, 0.2377**, and the grayscale version is **10.9399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9624, 0.4726, 0.3830**, and **3.2256, 0.5923, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **10.4869, 0.5526, 0.3847**, and if you desaturate by 10%, it is **13.2984, 0.4884, 0.3867**.

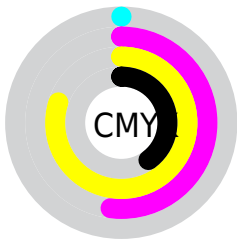
Distribution



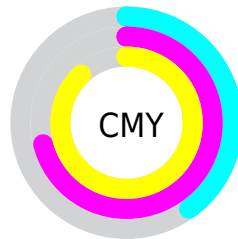
- Red (60%)
- Green (29%)
- Blue (12%)



- Red (60%)
- Yellow (38%)
- Blue (12%)



- Cyan (0%)
- Magenta (52%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (71%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7688, 0.5219, 0.3880 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 Yxy color 11.7688, 0.5219, 0.3880 by changing the saturation by 10% instead.


 11.7688, 0.5219,
0.3880


 11.7688, 0.5219,
0.3880


202.8686, 0.3976,
0.3640


 6.5864, 0.5572,
0.3865


 29.0733, 0.4725,
0.3831


 3.2048, 0.6152,
0.3848

 41.9643, 0.4551,
0.3797

 1.2396, 0.6553,
0.3447

 58.1936, 0.4409,
0.3765

 0.0937, 0.8978,
0.1022


 78.1455, 0.4292,
0.3735


 0.0000, 0.0000,
0.0000


 102.2047, 0.4193,
0.3707


 130.7553, 0.4110,


0.3682


 164.1818, 0.4038,
0.3660

 11.7688, 0.5219,
0.3880


 11.7688, 0.5219,
0.3880


 10.4869, 0.5526,
0.3847

 13.2984, 0.4884,
0.3867


 9.4297, 0.5794,
0.3777

 15.0878, 0.4548,
0.3817

 9.4049, 0.5801,
0.3776

 17.1502, 0.4231,
0.3742

 19.4972, 0.3944,
0.3653

 22.1400, 0.3691,
0.3559

■ 25.0887, 0.3472,
0.3465

■ 28.3532, 0.3284,
0.3374

■ 31.9428, 0.3123,
0.3288

■ 35.8665, 0.2986,
0.3208

Harmonies

Analogous

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



11.7688, 0.5034, 0.3168



11.7688, 0.5219, 0.3880



11.7688, 0.4749, 0.4629

Triad

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



11.7688, 0.5219, 0.3880



11.7688, 0.2041, 0.4207



11.7688, 0.2116, 0.1777

Complementary

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



11.7688, 0.5219, 0.3880



13.7322, 0.2057, 0.2377

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.



11.7688, 0.1578, 0.1796



11.7688, 0.5219, 0.3880



11.7688, 0.1517, 0.2967

Square

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



11.7688, 0.5219, 0.3880



11.7688, 0.2917, 0.5198



11.7688, 0.1381, 0.2153



11.7688, 0.3025, 0.2034

Rectangle

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



11.7688, 0.5219, 0.3880



11.7688, 0.4208, 0.5075



11.7688, 0.1381, 0.2153



11.7688, 0.1896, 0.1751

Sweetspot

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



11.7694, 0.5219, 0.3880



42.3739, 0.3572, 0.3509



8.8820, 0.4011, 0.2166



8.9805, 0.3645, 0.3540



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



11.7694, 0.5219, 0.3880



17.2195, 0.5737, 0.3784



24.1088, 0.4322, 0.4737



6.5614, 0.3275, 0.3369



7.8332, 0.5788, 0.3786



0.1813, 0.5072, 0.4355

Inverse Universe

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



13.7322, 0.2057, 0.2377



20.5512, 0.1934, 0.2139



4.8114, 0.1730, 0.1122



6.6596, 0.2989, 0.3210



9.3457, 0.1922, 0.2120



0.2076, 0.2080, 0.2688

Previews

White Background



This preview shows how the Yxy color 11.7688, 0.5219, 0.3880 looks on a white 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

Black Background



This preview shows how the Yxy color 11.7688, 0.5219, 0.3880 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.7688, 0.5219, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 11.7688, 0.5219, 0.3880.



This preview shows how white text looks on a background with the Yxy color 11.7688, 0.5219, 0.3880.

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

11.7688, 0.5219, 0.3880

Protanopia

11.8711, 0.4129, 0.4542

Deuteranopia

11.8621, 0.4545, 0.4482



Tritanopia

11.8433, 0.4622, 0.3231

Trichromacy



Original Color

11.7688, 0.5219, 0.3880

Protanomaly

11.5512, 0.4528, 0.4291

Deuteranomaly

11.5627, 0.4813, 0.4242

Tritanomaly

11.6820, 0.4890, 0.3495

Monochromacy



Original Color

11.7688, 0.5219, 0.3880

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7426, 0.3898, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7688, 0.5219, 0.3880 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(153, 74, 31)` looks like.

```
.text, #text, p{  
    color:rgb(153, 74, 31)  
}
```

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(153, 74, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 74, 31) }
```

Border

The CSS property to change the border of an element to Yxy 11.7688, 0.5219, 0.3880 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(153, 74, 31) }
```

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

```
.border{ border-color:rgb(153, 74, 31) }
```

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

Here you see how a box with a 4 pixel rgb(153, 74, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 74, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 74, 31);  
box-shadow:4px 4px 4px 4px rgb(153, 74,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7688, 0.5219, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 74, 31) }
```

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

```
.background{ background-color: rgb(153, 74,  
31) }
```

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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