

Converting Colors

Yxy(51.7345, 0.4900, 0.4489)

Have a look what the booklet for
Yxy(51.7345, 0.4900, 0.4489)
contains.

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Color

Yxy(51.9221, 0.4895, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF01
RGB	255, 175, 1
RGB Percent	100%, 69%, 0%
CMY	0.0001, 0.3136, 0.9956
CMYK	0.00, 0.31, 1.00, 0.00
HSL	41°, 100%, 50%
HSV	41°, 100%, 100%
XYZ	56.5677, 51.9221, 7.0724
YIQ	179.0840, 103.5340, -37.1540

Conversions

Conversions Part 2

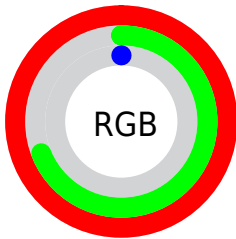
Format	Color
R_{YB}	118, 255, 1
Decimal	16756481
CIE _{Lab}	77.23, 18.71, 80.35
CIE _{LCh}	77, 82.502, 76.895
Yxy	51.9221, 0.4895, 0.4493
Android (android.graphics.Color)	4294946561 (0xFFFFAF01)
YUV	179.0840, -87.7954, 66.5783
Hunter-Lab	72.0570, 14.0301, 44.6206

Details

The Yxy color **51.9221, 0.4895, 0.4493** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **13.1215, 0.1614, 0.1008**, and the grayscale version is **45.5718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4628, 0.4207, 0.4645**, and **25.3724, 0.5006, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **51.7841, 0.4900, 0.4491**, and if you desaturate by 10%, it is **55.2197, 0.4777, 0.4519**.

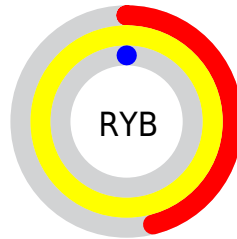
Distribution



Red (100%)

Green (69%)

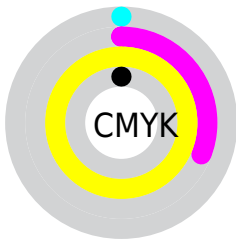
Blue (0%)



Red (46%)

Yellow (100%)

Blue (0%)

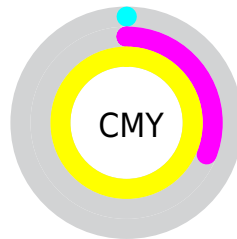


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9221, 0.4895, 0.4493 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 51.9221, 0.4895, 0.4493 by changing the saturation by 10% instead.


 51.9221, 0.4895,
0.4493


 51.9221, 0.4895,
0.4493


394.1358, 0.4126,
0.4047

 36.9430, 0.5032,
0.4546


 93.0163, 0.4655,
0.4375


 25.1633, 0.5177,
0.4583


 119.9003, 0.4552,
0.4317


 16.1988, 0.5359,
0.4620

 151.5212, 0.4461,
0.4263

 9.6649, 0.5459,
0.4541

 188.2637, 0.4379,
0.4213

 5.1774, 0.5588,
0.4412

 230.5119, 0.4306,
0.4166

 2.3517, 0.5787,
0.4213

 278.6505, 0.4240,

 0.8009, 0.6145,

0.4123

0.3855

333.0636, 0.4180,
0.4083

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.9221, 0.4895,
0.4493

■ 51.9221, 0.4895,
0.4493

■ 51.7841, 0.4900,
0.4491

■ 55.2197, 0.4777,
0.4519

■ 58.8004, 0.4628,
0.4498

■ 62.6972, 0.4450,
0.4426

■ 66.9304, 0.4253,
0.4311

■ 71.5177, 0.4046,
0.4163

■ 76.4748, 0.3839,
0.3994

■ 81.8160, 0.3639,
0.3814

■ 87.5544, 0.3451,
0.3632

■ 93.7026, 0.3278,
0.3453

Harmonies

Analogous

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



51.9221, 0.5267, 0.3738



51.9221, 0.4895, 0.4493



51.9221, 0.4087, 0.5171

Triad

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



51.9221, 0.4895, 0.4493



51.9221, 0.1568, 0.3179



51.9221, 0.2818, 0.1950

Complementary

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



51.9221, 0.4895, 0.4493



13.1215, 0.1614, 0.1008

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.



51.9221, 0.1970, 0.1742



51.9221, 0.4895, 0.4493



51.9221, 0.1362, 0.2256

Square

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



51.9221, 0.4895, 0.4493



51.9221, 0.2175, 0.4468



51.9221, 0.1499, 0.1819



51.9221, 0.3950, 0.2406

Rectangle

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



51.9221, 0.4895, 0.4493



51.9221, 0.3437, 0.5366



51.9221, 0.1499, 0.1819



51.9221, 0.2493, 0.1851

Sweetspot

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



51.9247, 0.4895, 0.4493



81.5938, 0.3648, 0.3822



21.8804, 0.5739, 0.2938



16.9736, 0.3731, 0.3898



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.9247, 0.4895, 0.4493



51.7982, 0.4900, 0.4491



84.9752, 0.3867, 0.5310



20.0690, 0.3277, 0.3452



27.3455, 0.4885, 0.4503



2.8586, 0.4787, 0.4581

Inverse Universe

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



13.1215, 0.1614, 0.1008



13.0033, 0.1611, 0.1001



7.8628, 0.1576, 0.0643



18.3112, 0.2979, 0.3122



7.0290, 0.1619, 0.1029



0.8704, 0.1681, 0.1251

Previews

White Background



This preview shows how the Yxy color 51.9221, 0.4895, 0.4493 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 51.9221, 0.4895, 0.4493 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 ✓ Pass

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

Yxy 51.9221, 0.4895, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 51.9221, 0.4895, 0.4493.



This preview shows how white text looks on a background with the Yxy color 51.9221, 0.4895, 0.4493.

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

51.9221, 0.4895, 0.4493

Protanopia

52.3356, 0.4388, 0.4859

Deuteranopia

51.9250, 0.4733, 0.4624



Tritanopia

52.0718, 0.3855, 0.3187

Trichromacy



Original Color

51.9221, 0.4895, 0.4493

Protanomaly

51.9650, 0.4572, 0.4728

Deuteranomaly

52.0144, 0.4793, 0.4576

Tritanomaly

51.2017, 0.4432, 0.3873

Monochromacy



Original Color

51.9221, 0.4895, 0.4493

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.3211, 0.3937, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9221, 0.4895, 0.4493 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(255, 175, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 1)  
}
```

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(255, 175, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 1) }
```

Border

The CSS property to change the border of an element to Yxy 51.9221, 0.4895, 0.4493 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(255, 175, 1) }
```

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

```
.border{ border-color:rgb(255, 175, 1) }
```

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

Here you see how a box with a 4 pixel rgb(255, 175, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9221, 0.4895, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 1) }
```

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

```
.background{ background-color: rgb(255,  
175, 1) }
```

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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