

Converting Colors

Yxy(63.0415, 0.5279, 0.4110)

Have a look what the booklet for
Yxy(63.0415, 0.5279, 0.4110)
contains.

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Color

Yxy(50.1193, 0.4895, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA21
RGB	255, 170, 33
RGB Percent	100%, 67%, 13%
CMY	0.0001, 0.3333, 0.8708
CMYK	0.00, 0.33, 0.87, 0.00
HSL	37°, 100%, 56%
HSV	37°, 87%, 100%
XYZ	55.8847, 50.1193, 8.1629
YIQ	179.7970, 94.6370, -24.5870

Conversions

Conversions Part 2

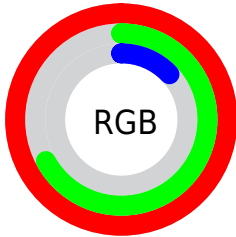
Format	Color
R _Y B	171, 255, 33
Decimal	16755233
CIE Lab	76.14, 21.71, 74.53
CIE LCh	76, 77.633, 73.758
Yxy	50.1193, 0.4895, 0.4390
Android (android.graphics.Color)	4294945313 (0xFFFFAA21)
YUV	179.7970, -72.3709, 65.9530
Hunter-Lab	70.7950, 17.0146, 42.7201

Details

The Yxy color **50.1193, 0.4895, 0.4390** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **20.4785, 0.1760, 0.1434**, and the grayscale version is **45.8835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9186, 0.4186, 0.4528**, and **24.1633, 0.5079, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **46.5045, 0.5049, 0.4357**, and if you desaturate by 10%, it is **54.1182, 0.4706, 0.4370**.

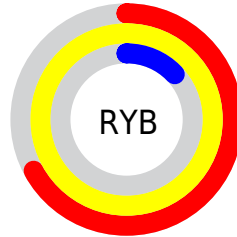
Distribution



Red (100%)

Green (67%)

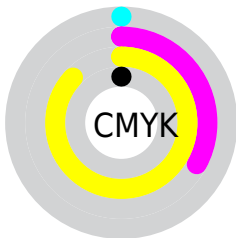
Blue (13%)



Red (67%)

Yellow (100%)

Blue (13%)

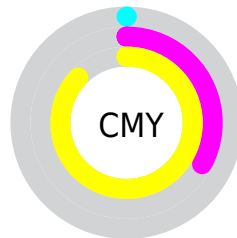


Cyan (0%)

Magenta (33%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1193, 0.4895, 0.4390 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 50.1193, 0.4895, 0.4390 by changing the saturation by 10% instead.


 50.1193, 0.4895,
0.4390


 50.1193, 0.4895,
0.4390


387.1323, 0.4102,
0.3977

 35.5082, 0.5046,
0.4440


 90.3516, 0.4640,
0.4279


 24.0546, 0.5210,
0.4477

 116.7416, 0.4534,
0.4225


 15.3741, 0.5400,
0.4497


 147.8267, 0.4440,
0.4175

 9.0824, 0.5562,
0.4438

 183.9913, 0.4356,
0.4129

 4.7950, 0.5715,
0.4285

 225.6197, 0.4282,
0.4086

 2.1275, 0.5953,
0.4047

 273.0964, 0.4216,

 0.6800, 0.6426,

0.4046

0.3574

326.8058, 0.4156,
0.4010

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.1193, 0.4895,
0.4390

50.1193, 0.4895,
0.4390

46.5045, 0.5049,
0.4357

54.1182, 0.4706,
0.4370

45.5093, 0.5090,
0.4341

58.5204, 0.4492,
0.4299

63.3506, 0.4264,
0.4188

68.6284, 0.4034,
0.4047

74.3715, 0.3812,
0.3889

80.5961, 0.3603,
0.3724

87.3175, 0.3412,
0.3558

94.5501, 0.3238,
0.3398

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



50.1193, 0.5177, 0.3665



50.1193, 0.4895, 0.4390



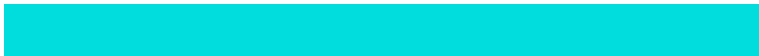
50.1193, 0.4158, 0.5046

Triad

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



50.1193, 0.4895, 0.4390



50.1193, 0.1674, 0.3312



50.1193, 0.2733, 0.1966

Complementary

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



50.1193, 0.4895, 0.4390



20.4785, 0.1760, 0.1434

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.



50.1193, 0.1952, 0.1792



50.1193, 0.4895, 0.4390



50.1193, 0.1430, 0.2375

Square

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



50.1193, 0.4895, 0.4390



50.1193, 0.2305, 0.4525



50.1193, 0.1528, 0.1903



50.1193, 0.3799, 0.2386

Rectangle

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



50.1193, 0.4895, 0.4390



50.1193, 0.3541, 0.5260



50.1193, 0.1528, 0.1903



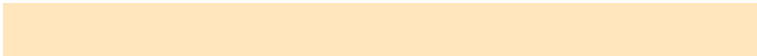
50.1193, 0.2433, 0.1879

Sweetspot

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



50.1219, 0.4895, 0.4390



81.3081, 0.3582, 0.3706



23.6513, 0.5116, 0.2686



16.9259, 0.3651, 0.3763



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.



50.1219, 0.4895, 0.4390



45.5152, 0.5090, 0.4341



88.2912, 0.3986, 0.5147



19.8546, 0.3279, 0.3436



24.0804, 0.5071, 0.4356



2.5560, 0.4944, 0.4457

Inverse Universe

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



20.4785, 0.1760, 0.1434



15.8776, 0.1661, 0.1178



9.2290, 0.1632, 0.0739



18.5172, 0.2979, 0.3139



8.5624, 0.1669, 0.1208



1.0370, 0.1731, 0.1433

Previews

White Background



This preview shows how the Yxy color 50.1193, 0.4895, 0.4390 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 50.1193, 0.4895, 0.4390 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 50.1193, 0.4895, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 50.1193, 0.4895, 0.4390.



This preview shows how white text looks on a background with the Yxy color 50.1193, 0.4895, 0.4390.

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

50.1193, 0.4895, 0.4390

Protanopia

50.5322, 0.4335, 0.4794

Deuteranopia

50.0971, 0.4693, 0.4576



Tritanopia

50.0792, 0.3921, 0.3187

Trichromacy



Original Color

50.1193, 0.4895, 0.4390

Protanomaly

50.0773, 0.4546, 0.4642

Deuteranomaly

49.9817, 0.4768, 0.4508

Tritanomaly

49.5507, 0.4396, 0.3746

Monochromacy



Original Color

50.1193, 0.4895, 0.4390

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8484, 0.3838, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1193, 0.4895, 0.4390 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, 170, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 33)  
}
```

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, 170, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 33) }
```

Border

The CSS property to change the border of an element to Yxy 50.1193, 0.4895, 0.4390 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, 170, 33) }
```

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

```
.border{ border-color:rgb(255, 170, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1193, 0.4895, 0.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 33) }
```

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

```
.background{ background-color: rgb(255,  
170, 33) }
```

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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