

Converting Colors

$Y_{xy}(52.8015, 0.4705, 0.4300)$

Have a look what the booklet for
Yxy(52.8015, 0.4705, 0.4300)
contains.

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Color

Yxy(52.6923, 0.4710, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	FFB041
RGB	255, 176, 65
RGB Percent	100%, 69%, 25%
CMY	0.0001, 0.3098, 0.7450
CMYK	0.00, 0.31, 0.75, 0.00
HSL	35°, 100%, 63%
HSV	35°, 75%, 100%
XYZ	57.7164, 52.6923, 12.1315
YIQ	186.9670, 82.7150, -17.7730

Conversions

Conversions Part 2

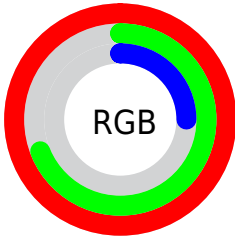
Format	Color
R _Y B	200, 255, 65
Decimal	16756801
CIE Lab	77.69, 19.56, 65.30
CIE LCh	78, 68.167, 73.328
Yxy	52.6923, 0.4710, 0.4300
Android (android.graphics.Color)	4294946881 (0xFFFFB041)
YUV	186.9670, -60.1297, 59.6649
Hunter-Lab	72.5895, 14.8952, 40.9038

Details

The Yxy color **52.6923, 0.4710, 0.4300** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.2871, 0.1924, 0.1802**, and the grayscale version is **49.9876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3051, 0.4016, 0.4393**, and **25.5034, 0.5016, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **48.4667, 0.4922, 0.4327**, and if you desaturate by 10%, it is **57.3811, 0.4475, 0.4224**.

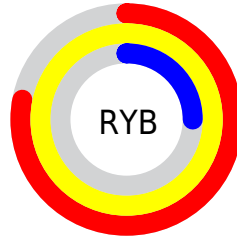
Distribution



Red (100%)

Green (69%)

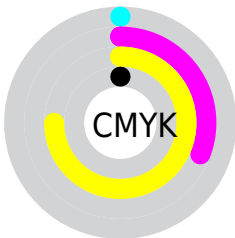
Blue (25%)



Red (78%)

Yellow (100%)

Blue (25%)

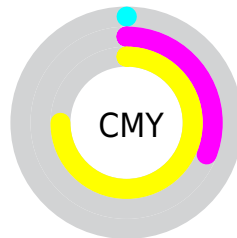


Cyan (0%)

Magenta (31%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6923, 0.4710, 0.4300 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 52.6923, 0.4710, 0.4300 by changing the saturation by 10% instead.


 52.6923, 0.4710,
0.4300

 52.6923, 0.4710,
0.4300


397.1035, 0.3983,
0.3895


 37.5572, 0.4858,
0.4363


 94.1514, 0.4469,
0.4181

 25.6392, 0.5027,
0.4421


 121.2443, 0.4371,
0.4128

 16.5539, 0.5214,
0.4462


 153.0918, 0.4286,
0.4079

 9.9170, 0.5480,
0.4520

 190.0784, 0.4210,
0.4035

 5.3439, 0.5611,
0.4389

 232.5884, 0.4143,
0.3995

 2.4504, 0.5813,
0.4187

281.0064, 0.4084,

 0.8517, 0.6166,

0.3959

0.3834

335.7166, 0.4031,
0.3925

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.6923, 0.4710,
0.4300

52.6923, 0.4710,
0.4300

48.4667, 0.4922,
0.4327

57.3811, 0.4475,
0.4224


44.6695, 0.5101,
0.4298


62.5482, 0.4233,
0.4111


42.7475, 0.5186,
0.4265

68.2167, 0.3993,
0.3972

74.4056, 0.3766,
0.3819

 81.1323, 0.3557,
0.3661

 88.4132, 0.3367,
0.3505

 96.2639, 0.3197,
0.3355

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



52.6923, 0.4918, 0.3655



52.6923, 0.4710, 0.4300



52.6923, 0.4083, 0.4839

Triad

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



52.6923, 0.4710, 0.4300



52.6923, 0.1854, 0.3341



52.6923, 0.2779, 0.2105

Complementary

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



52.6923, 0.4710, 0.4300



28.2871, 0.1924, 0.1802

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.



52.6923, 0.2081, 0.1952



52.6923, 0.4710, 0.4300



52.6923, 0.1613, 0.2515

Square

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



52.6923, 0.4710, 0.4300



52.6923, 0.2435, 0.4349



52.6923, 0.1694, 0.2069



52.6923, 0.3703, 0.2485

Rectangle

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



52.6923, 0.4710, 0.4300



52.6923, 0.3540, 0.4987



52.6923, 0.1694, 0.2069



52.6923, 0.2513, 0.2027

Sweetspot

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



52.6950, 0.4710, 0.4300



82.9111, 0.3507, 0.3621



27.0588, 0.4616, 0.2593



17.3363, 0.3561, 0.3664



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.



52.6950, 0.4710, 0.4300



46.7126, 0.5007, 0.4321



90.2716, 0.3992, 0.4981



19.7507, 0.3280, 0.3429



22.6407, 0.5165, 0.4281



2.4202, 0.5024, 0.4393

Inverse Universe

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



28.2871, 0.1924, 0.1802



21.4844, 0.1768, 0.1488



12.7441, 0.1768, 0.0966



18.6184, 0.2979, 0.3147



9.4379, 0.1696, 0.1305



1.1286, 0.1758, 0.1527

Previews

White Background



This preview shows how the Yxy color 52.6923, 0.4710, 0.4300 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 52.6923, 0.4710, 0.4300 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 52.6923, 0.4710, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 52.6923, 0.4710, 0.4300.



This preview shows how white text looks on a background with the Yxy color 52.6923, 0.4710, 0.4300.

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

52.6923, 0.4710, 0.4300

Protanopia

53.0292, 0.4202, 0.4623

Deuteranopia

52.9266, 0.4543, 0.4444



Tritanopia

52.5199, 0.3833, 0.3176

Trichromacy



Original Color

52.6923, 0.4710, 0.4300

Protanomaly

52.7810, 0.4391, 0.4505

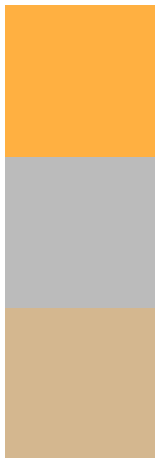
Deuteranomaly

52.6055, 0.4606, 0.4386

Tritanomaly

52.2208, 0.4207, 0.3638

Monochromacy



Original Color

52.6923, 0.4710, 0.4300

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8472, 0.3718, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6923, 0.4710, 0.4300 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, 176, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 65)  
}
```

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, 176, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 65) }
```

Border

The CSS property to change the border of an element to Yxy 52.6923, 0.4710, 0.4300 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, 176, 65) }
```

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

```
.border{ border-color:rgb(255, 176, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6923, 0.4710, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 65) }
```

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

```
.background{ background-color: rgb(255,  
176, 65) }
```

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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