

Converting Colors

Yxy(57.4026, 0.4924, 0.4179)

Have a look what the booklet for
Yxy(57.4026, 0.4924, 0.4179)
contains.

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Color

Yxy(52.2901, 0.4724, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF40
RGB	255, 175, 64
RGB Percent	100%, 69%, 25%
CMY	0.0001, 0.3136, 0.7490
CMYK	0.00, 0.31, 0.75, 0.00
HSL	35°, 100%, 63%
HSV	35°, 75%, 100%
XYZ	57.4863, 52.2901, 11.9134
YIQ	186.2660, 83.3110, -17.5610

Conversions

Conversions Part 2

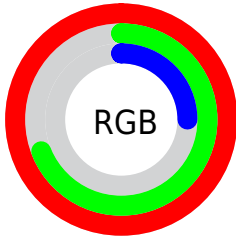
Format	Color
R _Y B	202, 255, 64
Decimal	16756544
CIE Lab	77.45, 20.02, 65.47
CIE LCh	77, 68.463, 72.994
Yxy	52.2901, 0.4724, 0.4297
Android (android.graphics.Color)	4294946624 (0xFFFFAF40)
YUV	186.2660, -60.2771, 60.2797
Hunter-Lab	72.3119, 15.3575, 40.8503

Details

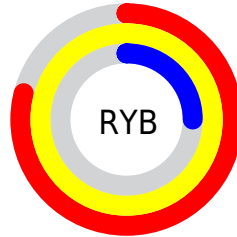
The Yxy color **52.2901, 0.4724, 0.4297** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.2377, 0.1921, 0.1801**, and the grayscale version is **49.5710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7198, 0.4027, 0.4393**, and **25.5034, 0.5016, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **48.0730, 0.4937, 0.4321**, and if you desaturate by 10%, it is **56.9734, 0.4489, 0.4224**.

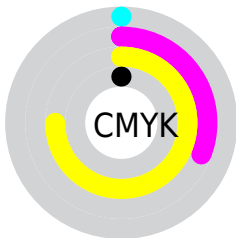
Distribution



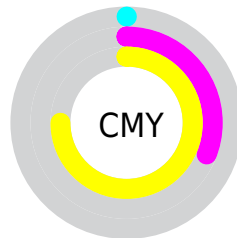
- Red (100%)
- Green (69%)
- Blue (25%)



- Red (79%)
- 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 52.2901, 0.4724, 0.4297 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 52.2901, 0.4724, 0.4297 by changing the saturation by 10% instead.

 52.2901, 0.4724,
0.4297


 52.2901, 0.4724,
0.4297


395.5555, 0.3990,
0.3895

 37.2364, 0.4873,
0.4358


 93.5589, 0.4481,
0.4179


 25.3905, 0.5044,
0.4415


 120.5428, 0.4382,
0.4127


 16.3683, 0.5232,
0.4454


 152.2722, 0.4295,
0.4078

 9.7851, 0.5496,
0.4504

 189.1315, 0.4219,
0.4034

 5.2567, 0.5631,
0.4369

 231.5051, 0.4152,
0.3994

 2.3987, 0.5840,
0.4160

279.7773, 0.4092,

 0.8252, 0.6208,

0.3958

0.3792

334.3327, 0.4038,
0.3925

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.2901, 0.4724,
0.4297

■ 52.2901, 0.4724,
0.4297

■ 48.0730, 0.4937,
0.4321

■ 56.9734, 0.4489,
0.4224


■ 44.2871, 0.5115,
0.4290


■ 62.1384, 0.4245,
0.4112


■ 42.5056, 0.5194,
0.4258

■ 67.8085, 0.4004,
0.3974

■ 74.0027, 0.3776,
0.3822

 80.7388, 0.3565,
0.3665

 88.0332, 0.3374,
0.3510

 95.9018, 0.3204,
0.3360

99.9935, 0.3127,
0.3290

Harmonies

Analogous

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



52.2901, 0.4928, 0.3648



52.2901, 0.4724, 0.4297



52.2901, 0.4096, 0.4843

Triad

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



52.2901, 0.4724, 0.4297



52.2901, 0.1850, 0.3351



52.2901, 0.2767, 0.2095

Complementary

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



52.2901, 0.4724, 0.4297



28.2377, 0.1921, 0.1801

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.



52.2901, 0.2069, 0.1945



52.2901, 0.4724, 0.4297



52.2901, 0.1606, 0.2516

Square

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



52.2901, 0.4724, 0.4297



52.2901, 0.2438, 0.4368



52.2901, 0.1684, 0.2064



52.2901, 0.3696, 0.2475

Rectangle

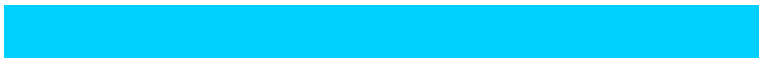
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2901, 0.4724, 0.4297



52.2901, 0.3550, 0.4999



52.2901, 0.1684, 0.2064



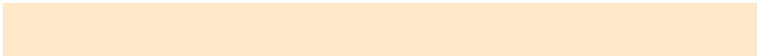
52.2901, 0.2501, 0.2018

Sweetspot

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



52.2927, 0.4724, 0.4297



82.8194, 0.3508, 0.3620



27.0194, 0.4579, 0.2561



17.3146, 0.3561, 0.3662



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.



52.2927, 0.4724, 0.4297



46.1029, 0.5032, 0.4312



90.7873, 0.4017, 0.4970



19.7416, 0.3280, 0.3428



22.5187, 0.5173, 0.4274



2.4087, 0.5031, 0.4388

Inverse Universe

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



28.2377, 0.1921, 0.1801



21.2480, 0.1762, 0.1476



12.4516, 0.1747, 0.0949



18.6273, 0.2979, 0.3148



9.5191, 0.1698, 0.1314



1.1369, 0.1760, 0.1536

Previews

White Background



This preview shows how the Yxy color 52.2901, 0.4724, 0.4297 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 52.2901, 0.4724, 0.4297 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 52.2901, 0.4724, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 52.2901, 0.4724, 0.4297.



This preview shows how white text looks on a background with the Yxy color 52.2901, 0.4724, 0.4297.

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

52.2901, 0.4724, 0.4297

Protanopia

52.4251, 0.4205, 0.4626

Deuteranopia

52.3290, 0.4548, 0.4446



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

52.2901, 0.4724, 0.4297

Protanomaly

52.1811, 0.4395, 0.4507

Deuteranomaly

52.0116, 0.4612, 0.4387

Tritanomaly

51.8156, 0.4221, 0.3638

Monochromacy



Original Color

52.2901, 0.4724, 0.4297

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2578, 0.3721, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2901, 0.4724, 0.4297 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 64) }
```

Border

The CSS property to change the border of an element to Yxy 52.2901, 0.4724, 0.4297 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, 64) }
```

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

```
.border{ border-color:rgb(255, 175, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2901, 0.4724, 0.4297 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
175, 64) }
```

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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