

Converting Colors

Yxy(53.0486, 0.4752, 0.4373)

Have a look what the booklet for
Yxy(53.0486, 0.4752, 0.4373)
contains.

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Color

Yxy(52.9613, 0.4756, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	FFB135
RGB	255, 177, 53
RGB Percent	100%, 69%, 21%
CMY	0.0001, 0.3058, 0.7923
CMYK	0.00, 0.31, 0.79, 0.00
HSL	37°, 100%, 60%
HSV	37°, 79%, 100%
XYZ	57.5998, 52.9613, 10.5487
YIQ	186.1860, 86.2920, -22.0280

Conversions

Conversions Part 2

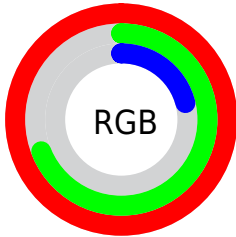
Format	Color
R_{YB}	180, 255, 53
Decimal	16757045
CIE Lab	77.85, 18.59, 69.96
CIE LCh	78, 72.384, 75.122
Yxy	52.9613, 0.4756, 0.4373
Android (android.graphics.Color)	4294947125 (0xFFFFB135)
YUV	186.1860, -65.6607, 60.3499
Hunter-Lab	72.7745, 13.9243, 42.3481

Details

The Yxy color **52.9613, 0.4756, 0.4373** 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 **24.1864, 0.1846, 0.1617**, and the grayscale version is **49.5505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6420, 0.4064, 0.4481**, and **26.0047, 0.4987, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **49.0398, 0.4939, 0.4381**, and if you desaturate by 10%, it is **57.2931, 0.4545, 0.4313**.

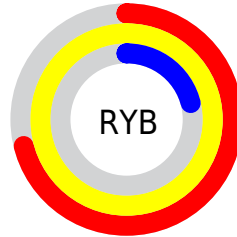
Distribution



Red (100%)

Green (69%)

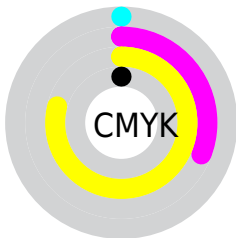
Blue (21%)



Red (71%)

Yellow (100%)

Blue (21%)

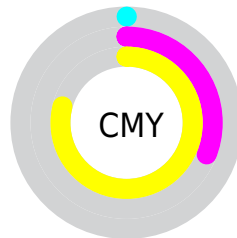


Cyan (0%)

Magenta (31%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9613, 0.4756, 0.4373 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 52.9613, 0.4756, 0.4373 by changing the saturation by 10% instead.

 52.9613, 0.4756,
0.4373

 52.9613, 0.4756,
0.4373


398.1366, 0.4021,
0.3946

 37.7719, 0.4900,
0.4436

 94.5474, 0.4516,
0.4250


 25.8057, 0.5061,
0.4491


 121.7129, 0.4418,
0.4194


 16.6783, 0.5235,
0.4527

 153.6392, 0.4331,
0.4143

 10.0054, 0.5449,
0.4551

 190.7107, 0.4254,
0.4096

 5.4025, 0.5574,
0.4426

 233.3118, 0.4185,
0.4053

 2.4853, 0.5766,
0.4234

 281.8269, 0.4124,

 0.8693, 0.6101,

0.4014

0.3899

336.6404, 0.4070,
0.3979

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.9613, 0.4756,
0.4373

■ 52.9613, 0.4756,
0.4373

■ 49.0398, 0.4939,
0.4381

■ 57.2931, 0.4545,
0.4313

■ 45.4885, 0.5088,
0.4338

■ 62.0502, 0.4317,
0.4210

■ 45.2289, 0.5099,
0.4333

■ 67.2555, 0.4086,
0.4075

■ 72.9272, 0.3860,
0.3921

■ 79.0818, 0.3647,
0.3757

■ 85.7351, 0.3452,
0.3592

■ 92.9017, 0.3274,
0.3431

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



52.9613, 0.5020, 0.3697



52.9613, 0.4756, 0.4373



52.9613, 0.4070, 0.4943

Triad

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



52.9613, 0.4756, 0.4373



52.9613, 0.1762, 0.3274



52.9613, 0.2810, 0.2066

Complementary

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



52.9613, 0.4756, 0.4373



24.1864, 0.1846, 0.1617

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.



52.9613, 0.2062, 0.1892



52.9613, 0.4756, 0.4373



52.9613, 0.1538, 0.2427

Square

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



52.9613, 0.4756, 0.4373



52.9613, 0.2345, 0.4361



52.9613, 0.1643, 0.1990



52.9613, 0.3794, 0.2474

Rectangle

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



52.9613, 0.4756, 0.4373



52.9613, 0.3494, 0.5092



52.9613, 0.1643, 0.1990



52.9613, 0.2525, 0.1980

Sweetspot

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



52.9640, 0.4756, 0.4373



82.5116, 0.3543, 0.3670



25.5137, 0.4812, 0.2624



17.1594, 0.3613, 0.3729



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.



52.9640, 0.4756, 0.4373



46.9565, 0.5028, 0.4361



89.3918, 0.3991, 0.5054



19.8444, 0.3279, 0.3436



23.9345, 0.5080, 0.4348



2.5423, 0.4951, 0.4451

Inverse Universe

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



24.1864, 0.1846, 0.1617



17.6614, 0.1697, 0.1281



11.1835, 0.1713, 0.0868



18.5271, 0.2979, 0.3140



8.6446, 0.1672, 0.1218



1.0457, 0.1734, 0.1442

Previews

White Background



This preview shows how the Yxy color 52.9613, 0.4756, 0.4373 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 52.9613, 0.4756, 0.4373 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 52.9613, 0.4756, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 52.9613, 0.4756, 0.4373.



This preview shows how white text looks on a background with the Yxy color 52.9613, 0.4756, 0.4373.

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

52.9613, 0.4756, 0.4373

Protanopia

53.0343, 0.4269, 0.4704

Deuteranopia

52.9745, 0.4607, 0.4509



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

52.9613, 0.4756, 0.4373

Protanomaly

52.6492, 0.4446, 0.4579

Deuteranomaly

53.0609, 0.4663, 0.4459

Tritanomaly

52.4863, 0.4238, 0.3689

Monochromacy



Original Color

52.9613, 0.4756, 0.4373

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.5508, 0.3751, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9613, 0.4756, 0.4373 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, 177, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 53)  
}
```

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, 177, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 53) }
```

Border

The CSS property to change the border of an element to Yxy 52.9613, 0.4756, 0.4373 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, 177, 53) }
```

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

```
.border{ border-color:rgb(255, 177, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9613, 0.4756, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 53) }
```

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

```
.background{ background-color: rgb(255,  
177, 53) }
```

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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