

Converting Colors

Yxy(53.2323, 0.4578, 0.4159)

Have a look what the booklet for
Yxy(53.2323, 0.4578, 0.4159)
contains.

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Color

Yxy(53.3924, 0.4574, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	FFB157
RGB	255, 177, 87
RGB Percent	100%, 69%, 34%
CMY	0.0000, 0.3059, 0.6588
CMYK	0.00, 0.31, 0.66, 0.00
HSL	32°, 100%, 67%
HSV	32°, 66%, 100%
XYZ	58.6919, 53.3924, 16.2320
YIQ	190.0620, 75.3780, -11.4540

Conversions

Conversions Part 2

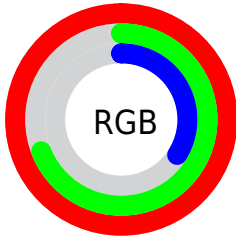
Format	Color
RYB	233, 255, 87
Decimal	16757079
CIELab	78.11, 20.15, 56.20
CIELCh	78, 59.707, 70.278
Yxy	53.3924, 0.4574, 0.4161
Android (android.graphics.Color)	4294947159 (0xFFFFB157)
YUV	190.0620, -50.8096, 56.9506
Hunter-Lab	73.0701, 15.5033, 37.9782

Details

The Yxy color **53.3924, 0.4574, 0.4161** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **36.1663, 0.2069, 0.2111**, and the grayscale version is **51.7928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4313, 0.3890, 0.4217**, and **26.0001, 0.4900, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **48.5665, 0.4830, 0.4220**, and if you desaturate by 10%, it is **58.7645, 0.4311, 0.4062**.

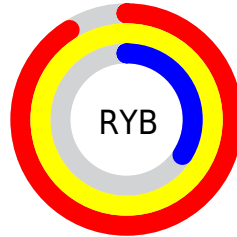
Distribution



Red (100%)

Green (69%)

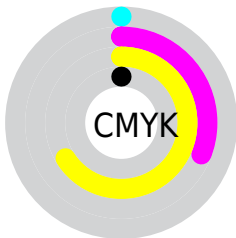
Blue (34%)



Red (91%)

Yellow (100%)

Blue (34%)

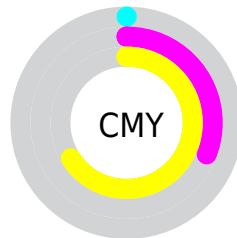


Cyan (0%)

Magenta (31%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3924, 0.4574, 0.4161 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 53.3924, 0.4574, 0.4161 by changing the saturation by 10% instead.


 53.3924, 0.4574,
0.4161


 53.3924, 0.4574,
0.4161


399.7888, 0.3894,
0.3800


 38.1161, 0.4721,
0.4223


 95.1815, 0.4342,
0.4050

 26.0728, 0.4894,
0.4286


 122.4632, 0.4251,
0.4003

 16.8781, 0.5097,
0.4342


 154.5154, 0.4171,
0.3960

 10.1476, 0.5336,
0.4378

 191.7225, 0.4101,
0.3921

 5.4970, 0.5625,
0.4375

234.4691, 0.4040,
0.3886

 2.5417, 0.5829,
0.4171

283.1394, 0.3986,

 0.8974, 0.6180,

0.3855

0.3820

338.1178, 0.3937,
0.3826

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.3924, 0.4574,
0.4161

53.3924, 0.4574,
0.4161

48.5665, 0.4830,
0.4220

58.7645, 0.4311,
0.4062

44.2706, 0.5062,
0.4229

64.7170, 0.4054,
0.3937

40.4703, 0.5258,
0.4181

71.2683, 0.3813,
0.3797

39.0327, 0.5330,
0.4150

78.4387, 0.3592,
0.3651

86.2474, 0.3395,
0.3507

94.7126, 0.3220,
0.3368

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



53.3924, 0.4688, 0.3584



53.3924, 0.4574, 0.4161



53.3924, 0.4062, 0.4629

Triad

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



53.3924, 0.4574, 0.4161



53.3924, 0.2041, 0.3434



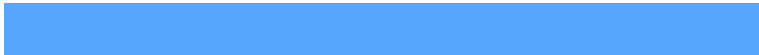
53.3924, 0.2752, 0.2205

Complementary

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



53.3924, 0.4574, 0.4161



36.1663, 0.2069, 0.2111

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.



53.3924, 0.2150, 0.2093



53.3924, 0.4574, 0.4161



53.3924, 0.1782, 0.2681

Square

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



53.3924, 0.4574, 0.4161



53.3924, 0.2598, 0.4275



53.3924, 0.1824, 0.2235



53.3924, 0.3552, 0.2532

Rectangle

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



53.3924, 0.4574, 0.4161



53.3924, 0.3591, 0.4762



53.3924, 0.1824, 0.2235



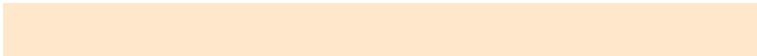
53.3924, 0.2523, 0.2141

Sweetspot

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



53.3890, 0.4574, 0.4161



82.9487, 0.3473, 0.3566



30.8105, 0.4243, 0.2540



17.2867, 0.3529, 0.3606



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.



53.3890, 0.4574, 0.4161



47.1693, 0.4906, 0.4229



92.4218, 0.3996, 0.4815



19.5985, 0.3281, 0.3417



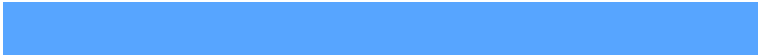
20.6976, 0.5306, 0.4169



2.2340, 0.5144, 0.4297

Inverse Universe

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



36.1663, 0.2069, 0.2111



28.8905, 0.1905, 0.1834



16.3461, 0.1870, 0.1179



18.7682, 0.2979, 0.3159



10.8864, 0.1738, 0.1457



1.2760, 0.1798, 0.1671

Previews

White Background



This preview shows how the Yxy color 53.3924, 0.4574, 0.4161 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 53.3924, 0.4574, 0.4161 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 53.3924, 0.4574, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 53.3924, 0.4574, 0.4161.



This preview shows how white text looks on a background with the Yxy color 53.3924, 0.4574, 0.4161.

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

53.3924, 0.4574, 0.4161

Protanopia

53.6524, 0.4062, 0.4452

Deuteranopia

53.4621, 0.4405, 0.4304



Tritanopia

53.3456, 0.3808, 0.3176

Trichromacy



Original Color

53.3924, 0.4574, 0.4161

Protanomaly

53.3626, 0.4249, 0.4348

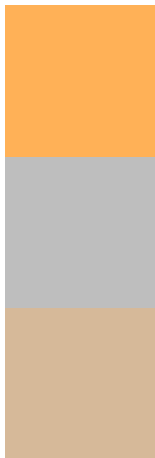
Deuteranomaly

53.1321, 0.4465, 0.4247

Tritanomaly

53.2537, 0.4115, 0.3566

Monochromacy



Original Color

53.3924, 0.4574, 0.4161

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.2940, 0.3644, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3924, 0.4574, 0.4161 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 87) }
```

Border

The CSS property to change the border of an element to Yxy 53.3924, 0.4574, 0.4161 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, 87) }
```

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

```
.border{ border-color:rgb(255, 177, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3924, 0.4574, 0.4161 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
177, 87) }
```

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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