

Converting Colors

$Yxy(82.8343, 0.5082, 0.3594)$

Have a look what the booklet for
Yxy(82.8343, 0.5082, 0.3594)
contains.

Yxy(53.8956, 0.4259, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.8956, 0.4259, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	FFB081
RGB	255, 176, 129
RGB Percent	100%, 69%, 51%
CMY	0.0000, 0.3098, 0.4942
CMYK	0.00, 0.31, 0.49, 0.00
HSL	22°, 100%, 75%
HSV	22°, 49%, 100%
XYZ	60.7252, 53.8956, 27.9601
YIQ	194.2630, 62.1710, 2.1310

Conversions

Conversions Part 2

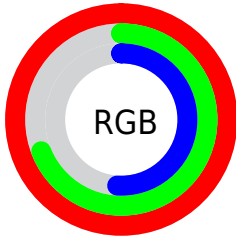
Format	Color
R _Y B	255, 204, 129
Decimal	16756865
CIE Lab	78.40, 23.74, 35.64
CIE LCh	78, 42.820, 56.331
Yxy	53.8956, 0.4259, 0.3780
Android (android.graphics.Color)	4294946945 (0xFFFFB081)
YUV	194.2630, -32.1747, 53.2663
Hunter-Lab	73.4136, 19.1752, 28.8085

Details

The Yxy color **53.8956, 0.4259, 0.3780** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.9749, 0.2368, 0.2718**, and the grayscale version is **54.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3506, 0.3621, 0.3797**, and **26.3325, 0.4547, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **47.3996, 0.4583, 0.3859**, and if you desaturate by 10%, it is **61.3039, 0.3964, 0.3684**.

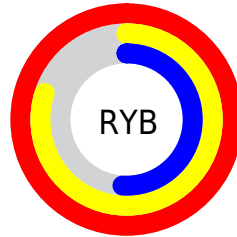
Distribution



Red (100%)

Green (69%)

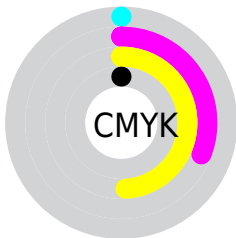
Blue (51%)



Red (100%)

Yellow (80%)

Blue (51%)

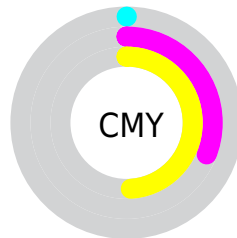


Cyan (0%)

Magenta (31%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8956, 0.4259, 0.3780 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 53.8956, 0.4259, 0.3780 by changing the saturation by 10% instead.


 53.8956, 0.4259,
0.3780

 53.8956, 0.4259,
0.3780


401.7118, 0.3707,
0.3571


 38.5182, 0.4389,
0.3820

 95.9209, 0.4064,
0.3713

 26.3851, 0.4551,
0.3864


 123.3377, 0.3989,
0.3685

 17.1120, 0.4755,
0.3911


 155.5363, 0.3925,
0.3660

 10.3144, 0.5019,
0.3954

192.9012, 0.3869,
0.3638

 5.6079, 0.5365,
0.3975

235.8168, 0.3821,
0.3619

 2.6081, 0.5974,
0.4026

284.6675, 0.3778,

 0.9308, 0.6364,

0.3601

339.8377, 0.3741,
0.3585

0.3636

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.8956, 0.4259,
0.3780

53.8956, 0.4259,
0.3780

47.3996, 0.4583,
0.3859

61.3039, 0.3964,
0.3684

41.7697, 0.4922,
0.3909

69.6523, 0.3703,
0.3581

36.9669, 0.5254,
0.3916

78.9772, 0.3477,
0.3478

32.9451, 0.5552,
0.3872

89.3103, 0.3283,
0.3378

■ 29.6469, 0.5792,
0.3779

99.9993, 0.3127,
0.3290

■ 29.4761, 0.5805,
0.3773

Harmonies

Analogous

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



53.8956, 0.4157, 0.3338



53.8956, 0.4259, 0.3780



53.8956, 0.4030, 0.4155

Triad

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



53.8956, 0.4259, 0.3780



53.8956, 0.2509, 0.3682



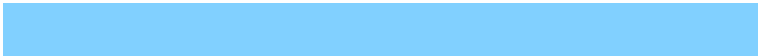
53.8956, 0.2630, 0.2413

Complementary

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



53.8956, 0.4259, 0.3780



56.9749, 0.2368, 0.2718

Split Complementary

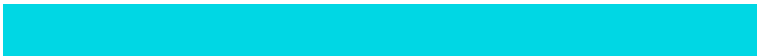
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.8956, 0.2259, 0.2426



53.8956, 0.4259, 0.3780



53.8956, 0.2191, 0.3103

Square

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



53.8956, 0.4259, 0.3780



53.8956, 0.3008, 0.4166



53.8956, 0.2108, 0.2656



53.8956, 0.3167, 0.2590

Rectangle

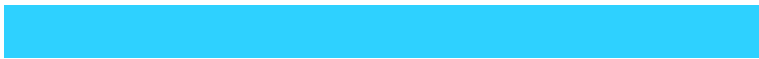
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8956, 0.4259, 0.3780



53.8956, 0.3738, 0.4304



53.8956, 0.2108, 0.2656



53.8956, 0.2484, 0.2394

Sweetspot

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



53.8983, 0.4259, 0.3780



83.4238, 0.3388, 0.3433



41.5448, 0.3624, 0.2486



17.3974, 0.3430, 0.3455



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.



53.8983, 0.4259, 0.3780



47.6580, 0.4569, 0.3856



84.1051, 0.3930, 0.4359



19.0977, 0.3285, 0.3379



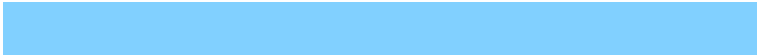
15.6645, 0.5775, 0.3797



1.7265, 0.5561, 0.3966

Inverse Universe

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



56.9749, 0.2368, 0.2718



50.9709, 0.2241, 0.2583



32.3725, 0.2215, 0.1920



19.2750, 0.2979, 0.3199



17.1730, 0.1893, 0.2016



1.8819, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 53.8956, 0.4259, 0.3780 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 53.8956, 0.4259, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

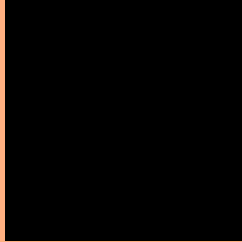
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8956, 0.4259, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 53.8956, 0.4259, 0.3780.



This preview shows how white text looks on a background with the Yxy color 53.8956, 0.4259, 0.3780.

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

53.8956, 0.4259, 0.3780

Protanopia

54.0628, 0.3715, 0.3991

Deuteranopia

54.1425, 0.4036, 0.3950



Tritanopia

53.8047, 0.3786, 0.3166

Trichromacy



Original Color

53.8956, 0.4259, 0.3780

Protanomaly

53.4029, 0.3911, 0.3914

Deuteranomaly

53.8917, 0.4120, 0.3879

Tritanomaly

53.7915, 0.3967, 0.3398

Monochromacy



Original Color

53.8956, 0.4259, 0.3780

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

53.0419, 0.3513, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8956, 0.4259, 0.3780 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 129) }
```

Border

The CSS property to change the border of an element to Yxy 53.8956, 0.4259, 0.3780 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, 129) }
```

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

```
.border{ border-color:rgb(255, 176, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8956, 0.4259, 0.3780 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
176, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor