

Converting Colors

$Y_{xy}(55.3050, 0.4477, 0.3646)$

Have a look what the booklet for
Yxy(55.3050, 0.4477, 0.3646)
contains.

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Color

Yxy(50.9040, 0.4287, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	FFA883
RGB	255, 168, 131
RGB Percent	100%, 66%, 51%
CMY	0.0001, 0.3411, 0.4863
CMYK	0.00, 0.34, 0.49, 0.00
HSL	18°, 100%, 76%
HSV	18°, 49%, 100%
XYZ	59.3326, 50.9040, 28.1647
YIQ	189.7950, 63.7290, 6.9370

Conversions

Conversions Part 2

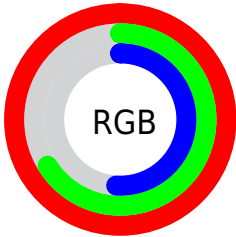
Format	Color
R _Y B	255, 184, 131
Decimal	16754819
CIE Lab	76.62, 28.09, 32.26
CIE LCh	77, 42.778, 48.948
Yxy	50.9040, 0.4287, 0.3678
Android (android.graphics.Color)	4294944899 (0xFFFFA883)
YUV	189.7950, -28.9859, 57.1848
Hunter-Lab	71.3470, 23.5844, 26.5378

Details

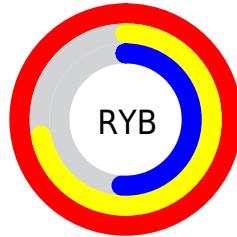
The Yxy color **50.9040, 0.4287, 0.3678** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.1559, 0.2402, 0.2845**, and the grayscale version is **51.5118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0320, 0.3629, 0.3699**, and **24.4577, 0.4599, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **44.1424, 0.4638, 0.3741**, and if you desaturate by 10%, it is **58.7488, 0.3973, 0.3601**.

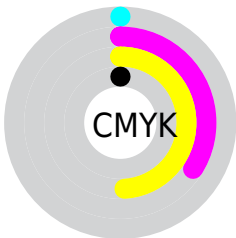
Distribution



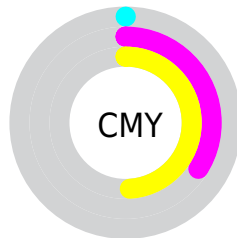
- Red (100%)
- Green (66%)
- Blue (51%)



- Red (100%)
- Yellow (72%)
- Blue (51%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9040, 0.4287, 0.3678 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 50.9040, 0.4287, 0.3678 by changing the saturation by 10% instead.


 50.9040, 0.4287,
0.3678


 50.9040, 0.4287,
0.3678


390.1907, 0.3714,
0.3517


 36.1322, 0.4425,
0.3707


 91.5129, 0.4082,
0.3628

 24.5363, 0.4597,
0.3738


 118.1187, 0.4004,
0.3606

 15.7319, 0.4819,
0.3767


 149.4380, 0.3938,
0.3587

 9.3347, 0.5109,
0.3787

185.8552, 0.3880,
0.3570

 4.9601, 0.5499,
0.3775

227.7547, 0.3831,
0.3555

 2.2239, 0.6214,
0.3786

275.5209, 0.3787,

 0.7330, 0.6727,

0.3541

0.3273

329.5380, 0.3748,
0.3529

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.9040, 0.4287,
0.3678

50.9040, 0.4287,
0.3678

44.1424, 0.4638,
0.3741

58.7488, 0.3973,
0.3601

38.4068, 0.5012,
0.3777

67.7152, 0.3700,
0.3518

33.6459, 0.5382,
0.3775

77.8492, 0.3467,
0.3435

29.8003, 0.5711,
0.3726

89.1916, 0.3271,
0.3355

■ 26.7993, 0.5967, 99.9959, 0.3127,
0.3633 0.3290

■ 26.4467, 0.5998,
0.3619

Harmonies

Analogous

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



50.9040, 0.4098, 0.3227



50.9040, 0.4287, 0.3678



50.9040, 0.4130, 0.4088

Triad

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



50.9040, 0.4287, 0.3678



50.9040, 0.2609, 0.3831



50.9040, 0.2509, 0.2383

Complementary

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



50.9040, 0.4287, 0.3678



62.1559, 0.2402, 0.2845

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.



50.9040, 0.2186, 0.2447



50.9040, 0.4287, 0.3678



50.9040, 0.2234, 0.3238

Square

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



50.9040, 0.4287, 0.3678



50.9040, 0.3145, 0.4260



50.9040, 0.2089, 0.2736



50.9040, 0.3022, 0.2519

Rectangle

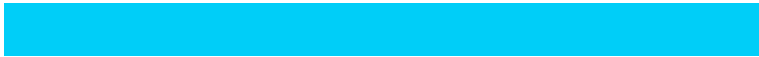
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.9040, 0.4287, 0.3678



50.9040, 0.3867, 0.4279



50.9040, 0.2089, 0.2736



50.9040, 0.2378, 0.2380

Sweetspot

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



50.9065, 0.4287, 0.3678



81.8398, 0.3392, 0.3405



42.6433, 0.3508, 0.2403



17.0186, 0.3435, 0.3422



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.



50.9065, 0.4287, 0.3678



44.5457, 0.4615, 0.3737



78.4432, 0.3966, 0.4256



18.8713, 0.3287, 0.3362



14.0473, 0.5969, 0.3643



1.5488, 0.5748, 0.3818

Inverse Universe

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



62.1559, 0.2402, 0.2845



56.8533, 0.2285, 0.2742



36.4449, 0.2256, 0.2076



19.5114, 0.2980, 0.3217



20.8577, 0.1968, 0.2283



2.2220, 0.2003, 0.2412

Previews

White Background



This preview shows how the Yxy color 50.9040, 0.4287, 0.3678 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 50.9040, 0.4287, 0.3678 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 50.9040, 0.4287, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 50.9040, 0.4287, 0.3678.



This preview shows how white text looks on a background with the Yxy color 50.9040, 0.4287, 0.3678.

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

50.9040, 0.4287, 0.3678

Protanopia

50.9852, 0.3639, 0.3901

Deuteranopia

50.9372, 0.3991, 0.3902



Tritanopia

50.9061, 0.3884, 0.3176

Trichromacy



Original Color

50.9040, 0.4287, 0.3678

Protanomaly

50.3835, 0.3869, 0.3810

Deuteranomaly

50.6402, 0.4100, 0.3815

Tritanomaly

50.6735, 0.4037, 0.3356

Monochromacy



Original Color

50.9040, 0.4287, 0.3678

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.6166, 0.3516, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9040, 0.4287, 0.3678 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, 168, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 131)  
}
```

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, 168, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 131) }
```

Border

The CSS property to change the border of an element to Yxy 50.9040, 0.4287, 0.3678 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, 168, 131) }
```

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

```
.border{ border-color:rgb(255, 168, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9040, 0.4287, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 131) }
```

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

```
.background{ background-color: rgb(255,  
168, 131) }
```

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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