

Converting Colors

$Y_{xy}(52.2858, 0.4302, 0.3684)$

Have a look what the booklet for
Yxy(52.2858, 0.4302, 0.3684)
contains.

Yxy(51.6754, 0.4267, 0.3688)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.6754, 0.4267, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA84
RGB	255, 170, 132
RGB Percent	100%, 67%, 52%
CMY	0.0000, 0.3334, 0.4823
CMYK	0.00, 0.33, 0.48, 0.00
HSL	19°, 100%, 76%
HSV	19°, 48%, 100%
XYZ	59.7882, 51.6754, 28.6541
YIQ	191.0830, 62.8580, 6.2020

Conversions

Conversions Part 2

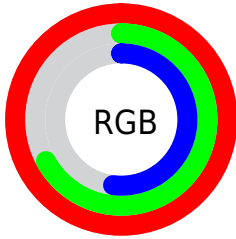
Format	Color
R _Y B	255, 187, 132
Decimal	16755332
CIE Lab	77.09, 27.18, 32.33
CIE LCh	77, 42.235, 49.946
Yxy	51.6754, 0.4267, 0.3688
Android (android.graphics.Color)	4294945412 (0xFFFFAA84)
YUV	191.0830, -29.1279, 56.0552
Hunter-Lab	71.8856, 22.6610, 26.6865

Details

The Yxy color **51.6754, 0.4267, 0.3688** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.7587, 0.2404, 0.2834**, and the grayscale version is **52.2920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1555, 0.3616, 0.3708**, and **24.9339, 0.4569, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **44.8868, 0.4613, 0.3754**, and if you desaturate by 10%, it is **59.5140, 0.3957, 0.3608**.

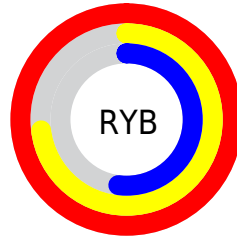
Distribution



Red (100%)

Green (67%)

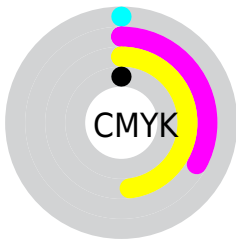
Blue (52%)



Red (100%)

Yellow (73%)

Blue (52%)

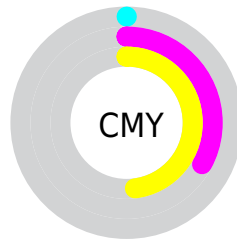


Cyan (0%)

Magenta (33%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6754, 0.4267, 0.3688 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 51.6754, 0.4267, 0.3688 by changing the saturation by 10% instead.


 51.6754, 0.4267,
0.3688


 51.6754, 0.4267,
0.3688


393.1822, 0.3705,
0.3522

 36.7464, 0.4402,
0.3719


 92.6523, 0.4066,
0.3636

 25.0112, 0.4570,
0.3751


 119.4691, 0.3990,
0.3614

 16.0854, 0.4786,
0.3784


 151.0172, 0.3925,
0.3594

 9.5846, 0.5069,
0.3809

187.6811, 0.3869,
0.3576

 5.1244, 0.5448,
0.3805

229.8451, 0.3820,
0.3561

 2.3204, 0.6160,
0.3840

277.8937, 0.3777,

 0.7845, 0.6634,

0.3546

0.3366

332.2113, 0.3739,
0.3533

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.6754, 0.4267,
0.3688

51.6754, 0.4267,
0.3688

44.8868, 0.4613,
0.3754

59.5140, 0.3957,
0.3608

39.1102, 0.4981,
0.3794

68.4566, 0.3688,
0.3522

34.2907, 0.5347,
0.3795

78.5419, 0.3458,
0.3436

30.3712, 0.5675,
0.3749

89.8092, 0.3264,
0.3354

■ 27.2847, 0.5933,
0.3657

100.0000, 0.3127,
0.3290

■ 26.8167, 0.5973,
0.3639

Harmonies

Analogous

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



51.6754, 0.4092, 0.3244



51.6754, 0.4267, 0.3688



51.6754, 0.4103, 0.4087

Triad

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



51.6754, 0.4267, 0.3688



51.6754, 0.2603, 0.3802



51.6754, 0.2534, 0.2398

Complementary

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



51.6754, 0.4267, 0.3688



61.7587, 0.2404, 0.2834

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.



51.6754, 0.2208, 0.2455



51.6754, 0.4267, 0.3688



51.6754, 0.2240, 0.3221

Square

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



51.6754, 0.4267, 0.3688



51.6754, 0.3127, 0.4232



51.6754, 0.2105, 0.2733



51.6754, 0.3044, 0.2538

Rectangle

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



51.6754, 0.4267, 0.3688



51.6754, 0.3841, 0.4269



51.6754, 0.2105, 0.2733



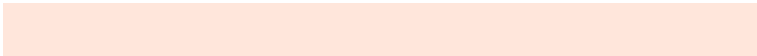
51.6754, 0.2402, 0.2394

Sweetspot

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



51.6721, 0.4267, 0.3688



83.1654, 0.3372, 0.3401



42.8311, 0.3524, 0.2428



17.2907, 0.3415, 0.3419



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.



51.6721, 0.4267, 0.3688



45.0335, 0.4604, 0.3753



79.7431, 0.3950, 0.4267



18.9020, 0.3287, 0.3364



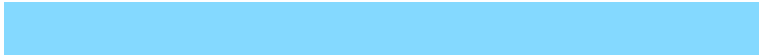
14.2436, 0.5944, 0.3662



1.5710, 0.5723, 0.3838

Inverse Universe

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



61.7587, 0.2404, 0.2834



56.1111, 0.2281, 0.2723



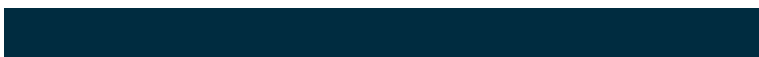
36.1060, 0.2258, 0.2061



19.4791, 0.2980, 0.3215



20.3250, 0.1958, 0.2247



2.1733, 0.1995, 0.2380

Previews

White Background



This preview shows how the Yxy color 51.6754, 0.4267, 0.3688 looks on a white background.

Color Contrast Check

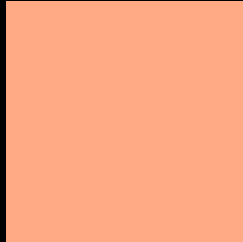
Large Text (above 18pt) WCAG AA × Fail

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 51.6754, 0.4267, 0.3688 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 51.6754, 0.4267, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 51.6754, 0.4267, 0.3688.



This preview shows how white text looks on a background with the Yxy color 51.6754, 0.4267, 0.3688.

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

51.6754, 0.4267, 0.3688

Protanopia

52.1638, 0.3642, 0.3908

Deuteranopia

51.5616, 0.3978, 0.3888



Tritanopia

51.7068, 0.3859, 0.3176

Trichromacy



Original Color

51.6754, 0.4267, 0.3688

Protanomaly

51.3899, 0.3861, 0.3819

Deuteranomaly

51.6566, 0.4081, 0.3813

Tritanomaly

51.4706, 0.4009, 0.3356

Monochromacy



Original Color

51.6754, 0.4267, 0.3688

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.0654, 0.3505, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6754, 0.4267, 0.3688 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, 170, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 132)  
}
```

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, 170, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 132) }
```

Border

The CSS property to change the border of an element to Yxy 51.6754, 0.4267, 0.3688 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, 170, 132) }
```

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

```
.border{ border-color:rgb(255, 170, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6754, 0.4267, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 132) }
```

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

```
.background{ background-color: rgb(255,  
170, 132) }
```

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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