

Converting Colors

$Y_{xy}(56.1530, 0.4237, 0.3851)$

Have a look what the booklet for
Yxy(56.1530, 0.4237, 0.3851)
contains.

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Color

Yxy(56.2744, 0.4233, 0.3850)

Conversions

Conversions Part 1

Format	Color
Hex	FFB680
RGB	255, 182, 128
RGB Percent	100%, 71%, 50%
CMY	0.0000, 0.2863, 0.4981
CMYK	0.00, 0.29, 0.50, 0.00
HSL	26°, 100%, 75%
HSV	26°, 50%, 100%
XYZ	61.8726, 56.2744, 28.0203
YIQ	197.6710, 60.8420, -1.3180

Conversions

Conversions Part 2

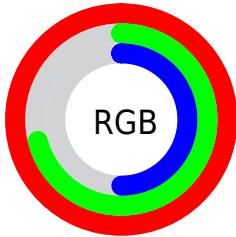
Format	Color
R_{YB}	255, 222, 128
Decimal	16758400
CIE _{Lab}	79.77, 20.53, 37.91
CIE _{LCh}	80, 43.111, 61.556
Yxy	56.2744, 0.4233, 0.3850
Android (android.graphics.Color)	4294948480 (0xFFFFB680)
YUV	197.6710, -34.3478, 50.2775
Hunter-Lab	75.0163, 15.9464, 30.3652

Details

The Yxy color **56.2744, 0.4233, 0.3850** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5826, 0.2347, 0.2629**, and the grayscale version is **56.4423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7453, 0.3612, 0.3863**, and **27.8527, 0.4501, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **49.9891, 0.4536, 0.3941**, and if you desaturate by 10%, it is **63.3503, 0.3952, 0.3741**.

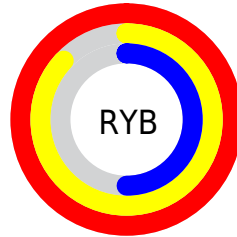
Distribution



Red (100%)

Green (71%)

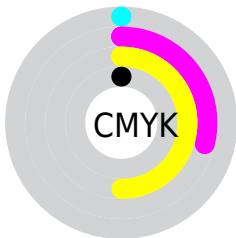
Blue (50%)



Red (100%)

Yellow (87%)

Blue (50%)

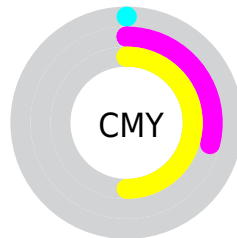


Cyan (0%)

Magenta (29%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2744, 0.4233, 0.3850 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 56.2744, 0.4233, 0.3850 by changing the saturation by 10% instead.


 56.2744, 0.4233,
0.3850


 56.2744, 0.4233,
0.3850


410.7248, 0.3700,
0.3608

 40.4230, 0.4357,
0.3898


 99.4057, 0.4046,
0.3771

 27.8685, 0.4510,
0.3951


 127.4543, 0.3973,
0.3739

 18.2265, 0.4701,
0.4010


 160.3374, 0.3911,
0.3711

 11.1128, 0.4946,
0.4069

198.4395, 0.3858,
0.3685

 6.1427, 0.5260,
0.4112

242.1449, 0.3811,
0.3663

 2.9321, 0.5804,
0.4196

291.8379, 0.3769,

 1.0964, 0.6126,

0.3643

0.3874

347.9031, 0.3733,
0.3624

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.2744, 0.4233,
0.3850

56.2744, 0.4233,
0.3850

49.9891, 0.4536,
0.3941

63.3503, 0.3952,
0.3741

44.4722, 0.4851,
0.4001

71.2566, 0.3701,
0.3625

39.6854, 0.5156,
0.4017

80.0182, 0.3480,
0.3508

35.5898, 0.5429,
0.3980

89.6619, 0.3289,
0.3395

■ 32.1346, 0.5653,
0.3892

100.0000, 0.3127,
0.3290

■ 32.0733, 0.5657,
0.3890

Harmonies

Analogous

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



56.2744, 0.4192, 0.3415



56.2744, 0.4233, 0.3850



56.2744, 0.3957, 0.4198

Triad

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



56.2744, 0.4233, 0.3850



56.2744, 0.2443, 0.3578



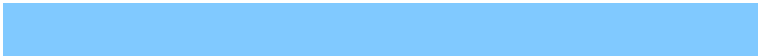
56.2744, 0.2717, 0.2437

Complementary

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



56.2744, 0.4233, 0.3850



53.5826, 0.2347, 0.2629

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.



56.2744, 0.2314, 0.2414



56.2744, 0.4233, 0.3850



56.2744, 0.2166, 0.3014

Square

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



56.2744, 0.4233, 0.3850



56.2744, 0.2914, 0.4093



56.2744, 0.2124, 0.2604



56.2744, 0.3269, 0.2642

Rectangle

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



56.2744, 0.4233, 0.3850



56.2744, 0.3646, 0.4314



56.2744, 0.2124, 0.2604



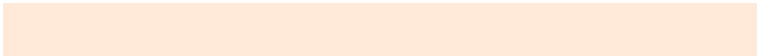
56.2744, 0.2561, 0.2407

Sweetspot

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



56.2711, 0.4233, 0.3850



84.5417, 0.3385, 0.3453



40.9648, 0.3697, 0.2540



17.6653, 0.3426, 0.3477



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.



56.2711, 0.4233, 0.3850



49.8752, 0.4542, 0.3942



87.7704, 0.3907, 0.4418



19.2566, 0.3284, 0.3391



17.0403, 0.5629, 0.3913



1.8703, 0.5427, 0.4073

Inverse Universe

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



53.5826, 0.2347, 0.2629



46.8499, 0.2204, 0.2463



30.1518, 0.2192, 0.1830



19.1118, 0.2979, 0.3186



14.9109, 0.1842, 0.1831



1.6685, 0.1893, 0.2013

Previews

White Background



This preview shows how the Yxy color 56.2744, 0.4233, 0.3850 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 56.2744, 0.4233, 0.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

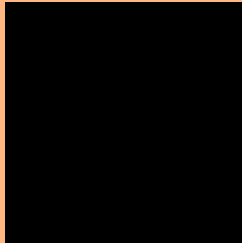
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2744, 0.4233, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 56.2744, 0.4233, 0.3850.



This preview shows how white text looks on a background with the Yxy color 56.2744, 0.4233, 0.3850.

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

56.2744, 0.4233, 0.3850

Protanopia

56.4055, 0.3749, 0.4049

Deuteranopia

56.2523, 0.4071, 0.3979



Tritanopia

56.3784, 0.3715, 0.3166

Trichromacy



Original Color

56.2744, 0.4233, 0.3850

Protanomaly

56.0232, 0.3922, 0.3971

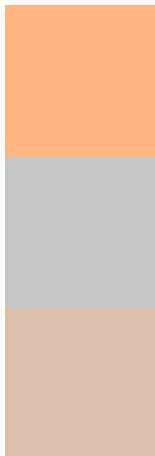
Deuteranomaly

56.0626, 0.4132, 0.3923

Tritanomaly

56.2902, 0.3907, 0.3419

Monochromacy



Original Color

56.2744, 0.4233, 0.3850

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

55.7765, 0.3503, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2744, 0.4233, 0.3850 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, 182, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 128)  
}
```

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, 182, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 128) }
```

Border

The CSS property to change the border of an element to Yxy 56.2744, 0.4233, 0.3850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

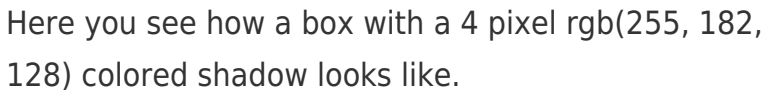
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 182, 128) }
```

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

```
.border{ border-color:rgb(255, 182, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 182, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2744, 0.4233, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 128) }
```

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

```
.background{ background-color: rgb(255,  
182, 128) }
```

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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