

Converting Colors

$Y_{xy}(58.3378, 0.4263, 0.3980)$

Have a look what the booklet for
Yxy(58.3378, 0.4263, 0.3980)
contains.

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Color

Yxy(58.1567, 0.4266, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB78
RGB	255, 187, 120
RGB Percent	100%, 73%, 47%
CMY	0.0000, 0.2666, 0.5293
CMYK	0.00, 0.27, 0.53, 0.00
HSL	30°, 100%, 74%
HSV	30°, 53%, 100%
XYZ	62.3985, 58.1567, 25.7142
YIQ	199.6940, 62.0350, -6.4210

Conversions

Conversions Part 2

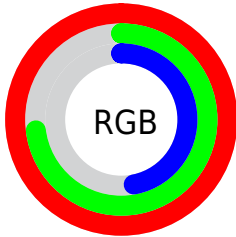
Format	Color
R_{YB}	255, 253, 120
Decimal	16759672
CIE _{Lab}	80.83, 17.21, 43.32
CIE _{LCh}	81, 46.610, 68.337
Yxy	58.1567, 0.4266, 0.3976
Android (android.graphics.Color)	4294949752 (0xFFFFBB78)
YUV	199.6940, -39.2891, 48.5034
Hunter-Lab	76.2605, 12.5978, 33.3905

Details

The Yxy color **58.1567, 0.4266, 0.3976** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.1829, 0.2276, 0.2453**, and the grayscale version is **57.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3783, 0.3649, 0.3989**, and **29.0945, 0.4530, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **52.4121, 0.4545, 0.4075**, and if you desaturate by 10%, it is **64.5592, 0.4001, 0.3854**.

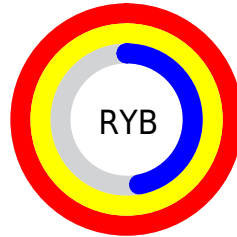
Distribution



Red (100%)

Green (73%)

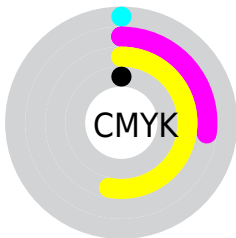
Blue (47%)



Red (100%)

Yellow (99%)

Blue (47%)

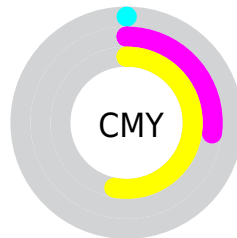


Cyan (0%)

Magenta (27%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1567, 0.4266, 0.3976 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 58.1567, 0.4266, 0.3976 by changing the saturation by 10% instead.


 58.1567, 0.4266,
0.3976


 58.1567, 0.4266,
0.3976


417.7696, 0.3725,
0.3678


 41.9346, 0.4389,
0.4035


 102.1510, 0.4078,
0.3879

 29.0501, 0.4538,
0.4101

 130.6921, 0.4005,
0.3839

 19.1187, 0.4722,
0.4174


 164.1082, 0.3942,
0.3804

 11.7561, 0.4949,
0.4248

202.7839, 0.3887,
0.3773

 6.5778, 0.5238,
0.4312

247.1035, 0.3839,
0.3746

 3.1995, 0.5641,
0.4359

297.4513, 0.3796,

 1.2368, 0.5903,

0.3721

0.4097

354.2119, 0.3759,
0.3698

0.0914, 0.8472,
0.1528

0.0000, 0.0000,
0.0000

58.1567, 0.4266,
0.3976

58.1567, 0.4266,
0.3976

52.4121, 0.4545,
0.4075

64.5592, 0.4001,
0.3854

47.2908, 0.4823,
0.4139

71.6353, 0.3756,
0.3721

42.7669, 0.5085,
0.4154

79.4103, 0.3537,
0.3585

38.8077, 0.5311,
0.4114

87.9057, 0.3343,
0.3452

36.3215, 0.5447,
0.4057

97.1418, 0.3173,
0.3326

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



58.1567, 0.4308, 0.3523



58.1567, 0.4266, 0.3976



58.1567, 0.3905, 0.4314

Triad

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



58.1567, 0.4266, 0.3976



58.1567, 0.2310, 0.3454



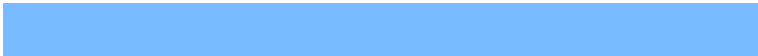
58.1567, 0.2811, 0.2419

Complementary

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



58.1567, 0.4266, 0.3976



47.1829, 0.2276, 0.2453

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.



58.1567, 0.2341, 0.2347



58.1567, 0.4266, 0.3976



58.1567, 0.2074, 0.2873

Square

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



58.1567, 0.4266, 0.3976



58.1567, 0.2770, 0.4049



58.1567, 0.2087, 0.2492



58.1567, 0.3418, 0.2674

Rectangle

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



58.1567, 0.4266, 0.3976



58.1567, 0.3549, 0.4397



58.1567, 0.2087, 0.2492



58.1567, 0.2633, 0.2373

Sweetspot

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



58.1595, 0.4266, 0.3976



85.2273, 0.3400, 0.3493



38.4044, 0.3851, 0.2584



17.8649, 0.3439, 0.3520



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.



58.1595, 0.4266, 0.3976



51.8392, 0.4575, 0.4084



92.6999, 0.3908, 0.4548



19.4763, 0.3282, 0.3408



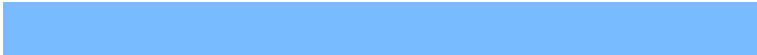
19.2789, 0.5421, 0.4077



2.0954, 0.5244, 0.4218

Inverse Universe

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



47.1829, 0.2276, 0.2453



39.7577, 0.2116, 0.2238



25.2016, 0.2106, 0.1618



18.8899, 0.2979, 0.3169



12.1986, 0.1774, 0.1586



1.4063, 0.1831, 0.1791

Previews

White Background



This preview shows how the Yxy color 58.1567, 0.4266, 0.3976 looks on a white background.

Color Contrast Check

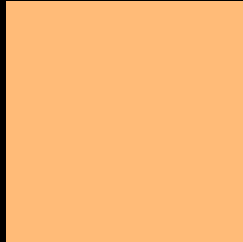
Large Text (above 18pt) WCAG AA × Fail

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 58.1567, 0.4266, 0.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

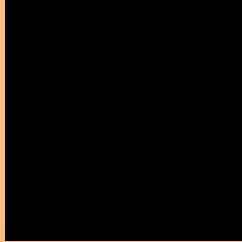
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1567, 0.4266, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 58.1567, 0.4266, 0.3976.



This preview shows how white text looks on a background with the Yxy color 58.1567, 0.4266, 0.3976.

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

58.1567, 0.4266, 0.3976

Protanopia

58.3140, 0.3845, 0.4167

Deuteranopia

58.2643, 0.4151, 0.4065



Tritanopia

58.1580, 0.3669, 0.3166

Trichromacy



Original Color

58.1567, 0.4266, 0.3976

Protanomaly

58.0657, 0.3996, 0.4100

Deuteranomaly

58.1153, 0.4197, 0.4034

Tritanomaly

57.8801, 0.3901, 0.3471

Monochromacy



Original Color

58.1567, 0.4266, 0.3976

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.1861, 0.3520, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1567, 0.4266, 0.3976 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, 187, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 120)  
}
```

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, 187, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 120) }
```

Border

The CSS property to change the border of an element to Yxy 58.1567, 0.4266, 0.3976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

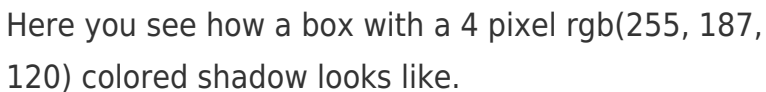
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 187, 120) }
```

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

```
.border{ border-color:rgb(255, 187, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 187, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 120); box-shadow:4px 4px 4px 4px rgb(255, 187, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1567, 0.4266, 0.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 120) }
```

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

```
.background{ background-color: rgb(255,  
187, 120) }
```

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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