

Converting Colors

$Yxy(81.6818, 0.4773, 0.3576)$

Have a look what the booklet for
Yxy(81.6818, 0.4773, 0.3576)
contains.

Yxy(58.4844, 0.4053, 0.3700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.4844, 0.4053, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA93
RGB	255, 186, 147
RGB Percent	100%, 73%, 58%
CMY	0.0000, 0.2706, 0.4235
CMYK	0.00, 0.27, 0.42, 0.00
HSL	22°, 100%, 79%
HSV	22°, 42%, 100%
XYZ	64.0641, 58.4844, 35.5174
YIQ	202.1850, 53.6430, 2.4990

Conversions

Conversions Part 2

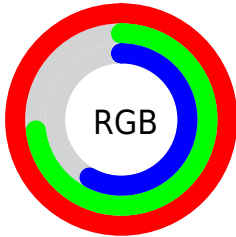
Format	Color
R _Y B	255, 208, 147
Decimal	16759443
CIE Lab	81.01, 20.26, 29.58
CIE LCh	81, 35.850, 55.595
Yxy	58.4844, 0.4053, 0.3700
Android (android.graphics.Color)	4294949523 (0xFFFFBA93)
YUV	202.1850, -27.2062, 46.3188
Hunter-Lab	76.4751, 15.7002, 25.9964

Details

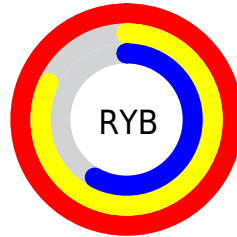
The Yxy color **58.4844, 0.4053, 0.3700** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.5304, 0.2473, 0.2830**, and the grayscale version is **59.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9813, 0.3473, 0.3699**, and **29.3553, 0.4287, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **51.2962, 0.4361, 0.3789**, and if you desaturate by 10%, it is **66.6382, 0.3779, 0.3602**.

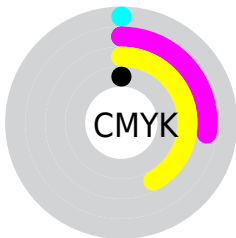
Distribution



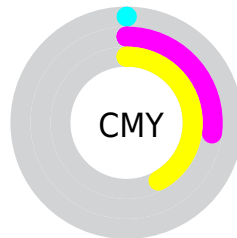
- Red (100%)
- Green (73%)
- Blue (58%)



- Red (100%)
- Yellow (82%)
- Blue (58%)



- Cyan (0%)
- Magenta (27%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4844, 0.4053, 0.3700 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 58.4844, 0.4053, 0.3700 by changing the saturation by 10% instead.


 58.4844, 0.4053,
0.3700

 58.4844, 0.4053,
0.3700


418.9885, 0.3606,
0.3521

 42.1982, 0.4158,
0.3736


 102.6279, 0.3895,
0.3641

 29.2565, 0.4290,
0.3779


 131.2540, 0.3834,
0.3617

 19.2750, 0.4457,
0.3827


164.7622, 0.3782,
0.3596

 11.8691, 0.4677,
0.3880

203.5369, 0.3737,
0.3578

 6.6546, 0.4973,
0.3931

247.9625, 0.3698,
0.3561

 3.2471, 0.5434,
0.3994

298.4234, 0.3664,

 1.2620, 0.6060,

0.3547

0.3940

355.3039, 0.3633,
0.3533

0.1115, 0.8434,
0.1566

0.0000, 0.0000,
0.0000

58.4844, 0.4053,
0.3700

58.4844, 0.4053,
0.3700

51.2962, 0.4361,
0.3789

66.6382, 0.3779,
0.3602

45.0270, 0.4696,
0.3858

75.7847, 0.3541,
0.3501

39.6387, 0.5042,
0.3894

85.9604, 0.3338,
0.3403

35.0869, 0.5373,
0.3885

97.1975, 0.3164,
0.3311

■ 31.3216, 0.5659,
0.3823

99.9989, 0.3127,
0.3290

■ 28.9303, 0.5838,
0.3747

Harmonies

Analogous

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



58.4844, 0.3959, 0.3331



58.4844, 0.4053, 0.3700



58.4844, 0.3880, 0.4002

Triad

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



58.4844, 0.4053, 0.3700



58.4844, 0.2631, 0.3619



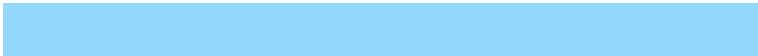
58.4844, 0.2711, 0.2557

Complementary

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



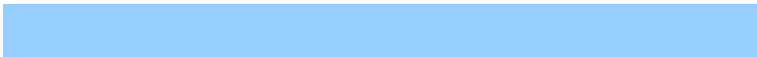
58.4844, 0.4053, 0.3700



62.5304, 0.2473, 0.2830

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.



58.4844, 0.2402, 0.2578



58.4844, 0.4053, 0.3700



58.4844, 0.2358, 0.3158

Square

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



58.4844, 0.4053, 0.3700



58.4844, 0.3048, 0.3997



58.4844, 0.2279, 0.2783



58.4844, 0.3153, 0.2702

Rectangle

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



58.4844, 0.4053, 0.3700



58.4844, 0.3647, 0.4115



58.4844, 0.2279, 0.2783



58.4844, 0.2590, 0.2545

Sweetspot

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



58.4872, 0.4053, 0.3700



85.2708, 0.3350, 0.3410



47.1482, 0.3512, 0.2578



17.7546, 0.3393, 0.3431



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.



58.4872, 0.4053, 0.3700



52.2145, 0.4318, 0.3778



84.9794, 0.3823, 0.4202



19.0609, 0.3285, 0.3376



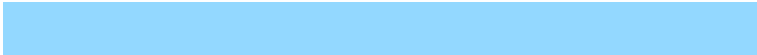
15.3743, 0.5808, 0.3771



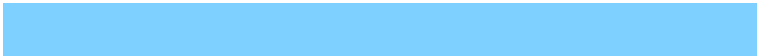
1.6954, 0.5592, 0.3942

Inverse Universe

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



62.5304, 0.2473, 0.2830



56.7020, 0.2351, 0.2717



39.6900, 0.2363, 0.2170



19.3132, 0.2980, 0.3202



17.7346, 0.1905, 0.2059



1.9342, 0.1949, 0.2215

Previews

White Background



This preview shows how the Yxy color 58.4844, 0.4053, 0.3700 looks on a white background.

Color Contrast Check

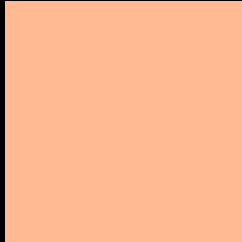
Large Text (above 18pt) WCAG AA × Fail

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 58.4844, 0.4053, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

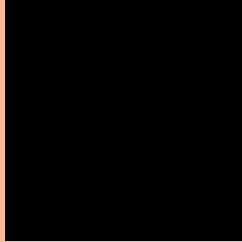
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4844, 0.4053, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 58.4844, 0.4053, 0.3700.



This preview shows how white text looks on a background with the Yxy color 58.4844, 0.4053, 0.3700.

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

58.4844, 0.4053, 0.3700

Protanopia

58.5535, 0.3595, 0.3845

Deuteranopia

58.5660, 0.3893, 0.3809



Tritanopia

58.6109, 0.3658, 0.3166

Trichromacy



Original Color

58.4844, 0.4053, 0.3700

Protanomaly

58.5372, 0.3763, 0.3801

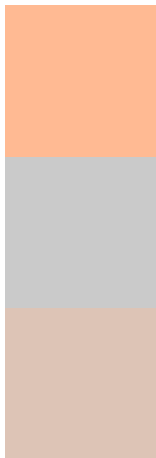
Deuteranomaly

58.3147, 0.3957, 0.3767

Tritanomaly

58.3013, 0.3804, 0.3355

Monochromacy



Original Color

58.4844, 0.4053, 0.3700

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.2294, 0.3439, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4844, 0.4053, 0.3700 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, 186, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 147)  
}
```

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, 186, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 147) }
```

Border

The CSS property to change the border of an element to Yxy 58.4844, 0.4053, 0.3700 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, 186, 147) }
```

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

```
.border{ border-color:rgb(255, 186, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4844, 0.4053, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 147) }
```

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

```
.background{ background-color: rgb(255,  
186, 147) }
```

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