

Converting Colors

$Yxy(87.4933, 0.4497, 0.3508)$

Have a look what the booklet for
Yxy(87.4933, 0.4497, 0.3508)
contains.

Yxy(65.5471, 0.3791, 0.3583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.5471, 0.3791, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8AC
RGB	255, 200, 172
RGB Percent	100%, 78%, 67%
CMY	0.0000, 0.2157, 0.3254
CMYK	0.00, 0.22, 0.33, 0.00
HSL	20°, 100%, 84%
HSV	20°, 33%, 100%
XYZ	69.3522, 65.5471, 48.0398
YIQ	213.2530, 41.7680, 2.9520

Conversions

Conversions Part 2

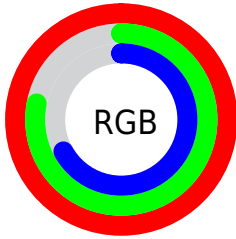
Format	Color
R _Y B	255, 214, 172
Decimal	16763052
CIE Lab	84.76, 15.80, 21.48
CIE LCh	85, 26.665, 53.649
Yxy	65.5471, 0.3791, 0.3583
Android (android.graphics.Color)	4294953132 (0xFFFFC8AC)
YUV	213.2530, -20.3377, 36.6121
Hunter-Lab	80.9612, 11.2231, 21.4920

Details

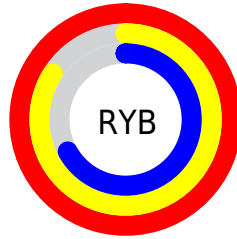
The Yxy color $65.5471, 0.3791, 0.3583$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $70.9531, 0.2623, 0.2975$, and the grayscale version is $66.8326, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.3261, 0.3292, 0.3562$, and $33.7842, 0.3953, 0.3639$ is the 20% darker color. If you saturate the color by 10%, you get $57.2532, 0.4071, 0.3675$, and if you desaturate by 10%, it is $74.8878, 0.3549, 0.3489$.

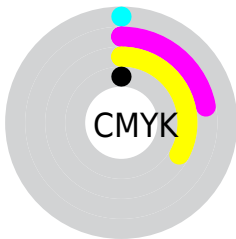
Distribution



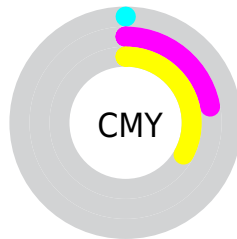
- Red (100%)
- Green (78%)
- Blue (67%)



- Red (100%)
- Yellow (84%)
- Blue (67%)



- Cyan (0%)
- Magenta (22%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5471, 0.3791, 0.3583 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 65.5471, 0.3791, 0.3583 by changing the saturation by 10% instead.


 65.5471, 0.3791,
0.3583

 65.5471, 0.3791,
0.3583

444.7554, 0.3476,
0.3454

 47.9048, 0.3865,
0.3611

 112.8361, 0.3680,
0.3540

 33.7515, 0.3956,
0.3643


143.2515, 0.3637,
0.3522

 22.7028, 0.4073,
0.3683


178.6936, 0.3601,
0.3507

 14.3742, 0.4228,
0.3731

219.5465, 0.3569,
0.3494

 8.3814, 0.4439,
0.3788

266.1948, 0.3541,
0.3482

 4.3399, 0.4742,
0.3853

319.0227, 0.3517,

 1.8655, 0.5369,

0.3472

0.4030

378.4148, 0.3495,
0.3462

0.5275, 0.6273,
0.3727

0.0000, 0.0000,
0.0000

65.5471, 0.3791,
0.3583

65.5471, 0.3791,
0.3583

57.2532, 0.4071,
0.3675

74.8878, 0.3549,
0.3489

49.9780, 0.4388,
0.3758

85.3227, 0.3342,
0.3398

43.6765, 0.4734,
0.3820

96.8831, 0.3167,
0.3311

38.3040, 0.5091,
0.3851

100.0000, 0.3127,
0.3290

■ 33.8119, 0.5433,
0.3836

■ 30.1460, 0.5726,
0.3771

■ 27.9052, 0.5902,
0.3696

Harmonies

Analogous

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



65.5471, 0.3709, 0.3311



65.5471, 0.3791, 0.3583



65.5471, 0.3684, 0.3798

Triad

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



65.5471, 0.3791, 0.3583



65.5471, 0.2789, 0.3545



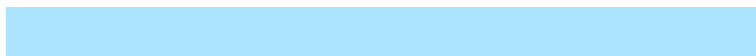
65.5471, 0.2810, 0.2749

Complementary

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



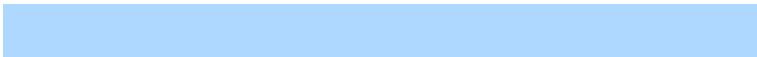
65.5471, 0.3791, 0.3583



70.9531, 0.2623, 0.2975

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.



65.5471, 0.2588, 0.2779



65.5471, 0.3791, 0.3583



65.5471, 0.2576, 0.3224

Square

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



65.5471, 0.3791, 0.3583



65.5471, 0.3099, 0.3796



65.5471, 0.2505, 0.2945



65.5471, 0.3128, 0.2847

Rectangle

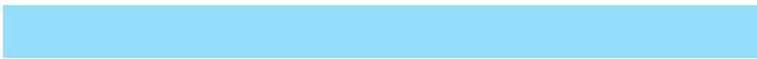
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5471, 0.3791, 0.3583



65.5471, 0.3526, 0.3875



65.5471, 0.2505, 0.2945



65.5471, 0.2723, 0.2744

Sweetspot

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



65.5435, 0.3791, 0.3583



88.1487, 0.3295, 0.3375



56.3409, 0.3388, 0.2730



18.5306, 0.3321, 0.3387



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.



65.5435, 0.3791, 0.3583



60.0681, 0.3967, 0.3643



87.2518, 0.3660, 0.3982



18.9874, 0.3286, 0.3371



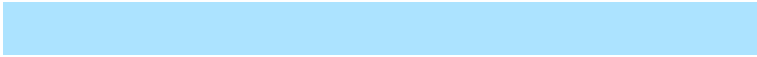
14.8267, 0.5872, 0.3719



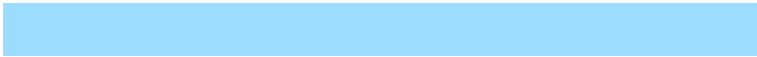
1.6359, 0.5653, 0.3893

Inverse Universe

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



70.9531, 0.2623, 0.2975



66.2126, 0.2526, 0.2901



51.0515, 0.2562, 0.2486



19.3897, 0.2980, 0.3208



18.8994, 0.1929, 0.2146



2.0422, 0.1970, 0.2291

Previews

White Background



This preview shows how the Yxy color 65.5471, 0.3791, 0.3583 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 65.5471, 0.3791, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

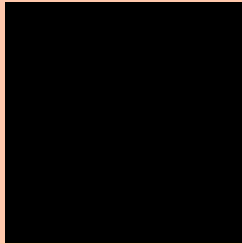
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5471, 0.3791, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 65.5471, 0.3791, 0.3583.



This preview shows how white text looks on a background with the Yxy color 65.5471, 0.3791, 0.3583.

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

65.5471, 0.3791, 0.3583

Protanopia

65.4909, 0.3455, 0.3664

Deuteranopia

65.7188, 0.3712, 0.3644



Tritanopia

65.3930, 0.3495, 0.3147

Trichromacy



Original Color

65.5471, 0.3791, 0.3583

Protanomaly

65.4224, 0.3576, 0.3632

Deuteranomaly

65.7919, 0.3740, 0.3630

Tritanomaly

65.1780, 0.3605, 0.3302

Monochromacy



Original Color

65.5471, 0.3791, 0.3583

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.6829, 0.3353, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5471, 0.3791, 0.3583 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, 200, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 172)  
}
```

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, 200, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 172) }
```

Border

The CSS property to change the border of an element to Yxy 65.5471, 0.3791, 0.3583 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, 200, 172) }
```

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

```
.border{ border-color:rgb(255, 200, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5471, 0.3791, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 172) }
```

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

```
.background{ background-color: rgb(255,  
200, 172) }
```

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