

Converting Colors

$Y_{xy}(83.4245, 0.4125, 0.3353)$

Have a look what the booklet for
Yxy(83.4245, 0.4125, 0.3353)
contains.

Yxy(67.9574, 0.3591, 0.3364)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9574, 0.3591, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBC4
RGB	255, 203, 196
RGB Percent	100%, 80%, 77%
CMY	0.0002, 0.2038, 0.2314
CMYK	0.00, 0.20, 0.23, 0.00
HSL	7°, 100%, 88%
HSV	7°, 23%, 100%
XYZ	72.5431, 67.9574, 61.5132
YIQ	217.7500, 33.2390, 8.8470

Conversions

Conversions Part 2

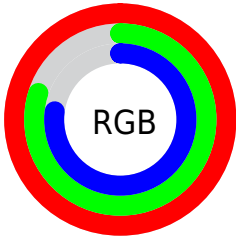
Format	Color
R _Y B	255, 204, 196
Decimal	16763844
CIE Lab	85.99, 17.35, 10.50
CIE LCh	86, 20.276, 31.191
Yxy	67.9574, 0.3591, 0.3364
Android (android.graphics.Color)	4294953924 (0xFFFFCBC4)
YUV	217.7500, -10.7227, 32.6683
Hunter-Lab	82.4363, 12.8147, 13.4638

Details

The Yxy color $67.9574, 0.3591, 0.3364$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $86.0275, 0.2778, 0.3215$, and the grayscale version is $69.9869, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.8718, 0.3139, 0.3309$, and $35.3182, 0.3705, 0.3385$ is the 20% darker color. If you saturate the color by 10%, you get $57.0473, 0.3870, 0.3398$, and if you desaturate by 10%, it is $80.6065, 0.3363, 0.3331$.

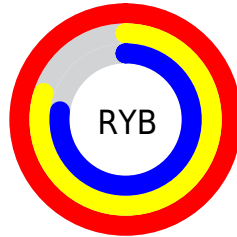
Distribution



Red (100%)

Green (80%)

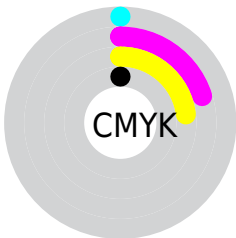
Blue (77%)



Red (100%)

Yellow (80%)

Blue (77%)

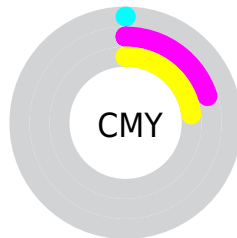


Cyan (0%)

Magenta (20%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9574, 0.3591, 0.3364 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 67.9574, 0.3591, 0.3364 by changing the saturation by 10% instead.

 67.9574, 0.3591,
0.3364

 67.9574, 0.3591,
0.3364

453.3451, 0.3372,
0.3333

 49.8631, 0.3642,
0.3370


116.2912, 0.3514,
0.3354

 35.3046, 0.3706,
0.3377


147.2995, 0.3484,
0.3350

 23.8976, 0.3788,
0.3385


183.3812, 0.3459,
0.3346

 15.2577, 0.3896,
0.3394

224.9207, 0.3437,
0.3343

 9.0004, 0.4046,
0.3404

272.3025, 0.3418,
0.3340

 4.7415, 0.4267,
0.3412

325.9109, 0.3400,

 2.0964, 0.4623,

0.3338

0.3408

386.1303, 0.3385,
0.3335

0.6626, 0.6179,
0.3821

0.0000, 1.0000,
0.0000

67.9574, 0.3591,
0.3364

67.9574, 0.3591,
0.3364

57.0473, 0.3870,
0.3398

80.6065, 0.3363,
0.3331

47.7913, 0.4205,
0.3431

95.0563, 0.3178,
0.3299

40.1111, 0.4598,
0.3458

99.9891, 0.3127,
0.3290

33.9186, 0.5036,
0.3474

■ 29.1169, 0.5485,
0.3472

■ 25.5975, 0.5890,
0.3447

■ 23.2355, 0.6189,
0.3400

■ 22.1998, 0.6319,
0.3365

Harmonies

Analogous

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



67.9574, 0.3433, 0.3155



67.9574, 0.3591, 0.3364



67.9574, 0.3618, 0.3563

Triad

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



67.9574, 0.3591, 0.3364



67.9574, 0.3046, 0.3627



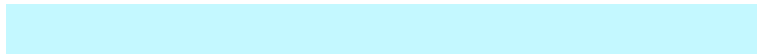
67.9574, 0.2752, 0.2887

Complementary

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



67.9574, 0.3591, 0.3364



86.0275, 0.2778, 0.3215

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.



67.9574, 0.2659, 0.2992



67.9574, 0.3591, 0.3364



67.9574, 0.2824, 0.3423

Square

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



67.9574, 0.3591, 0.3364



67.9574, 0.3297, 0.3730



67.9574, 0.2684, 0.3187



67.9574, 0.2945, 0.2887

Rectangle

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



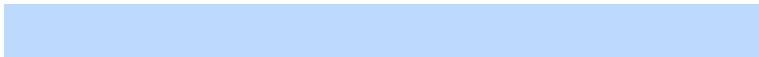
67.9574, 0.3591, 0.3364



67.9574, 0.3558, 0.3665



67.9574, 0.2684, 0.3187



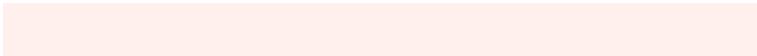
67.9574, 0.2708, 0.2911

Sweetspot

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



67.9605, 0.3591, 0.3364



89.2808, 0.3245, 0.3311



67.5071, 0.3204, 0.2776



18.9211, 0.3256, 0.3313



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.



67.9605, 0.3591, 0.3364



62.4576, 0.3720, 0.3381



83.1420, 0.3525, 0.3657



18.3362, 0.3291, 0.3319



11.7149, 0.6302, 0.3378



1.2468, 0.6137, 0.3509

Inverse Universe

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



86.0275, 0.2778, 0.3215



83.5627, 0.2709, 0.3197



69.4006, 0.2752, 0.2893



20.0893, 0.2980, 0.3261



31.9327, 0.2141, 0.2908



3.2092, 0.2154, 0.2956

Previews

White Background



This preview shows how the Yxy color 67.9574, 0.3591, 0.3364 looks on a white background.

Color Contrast Check

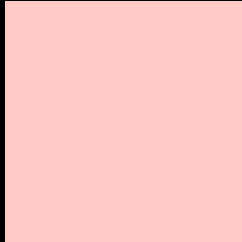
Large Text (above 18pt) WCAG AA × Fail

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 67.9574, 0.3591, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

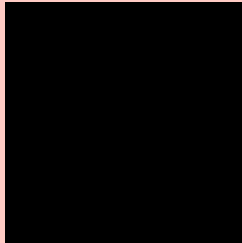
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9574, 0.3591, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 67.9574, 0.3591, 0.3364.

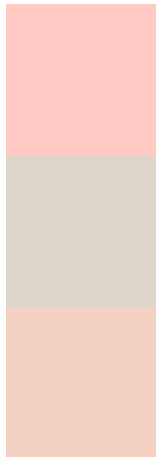


This preview shows how white text looks on a background with the Yxy color 67.9574, 0.3591, 0.3364.

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

67.9574, 0.3591, 0.3364

Protanopia

67.8870, 0.3270, 0.3424

Deuteranopia

68.2850, 0.3501, 0.3429



Tritanopia

67.9912, 0.3439, 0.3138

Trichromacy



Original Color

67.9574, 0.3591, 0.3364

Protanomaly

67.7557, 0.3382, 0.3399

Deuteranomaly

68.0392, 0.3537, 0.3407

Tritanomaly

68.1045, 0.3492, 0.3219

Monochromacy



Original Color

67.9574, 0.3591, 0.3364

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.2306, 0.3282, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9574, 0.3591, 0.3364 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, 203, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 196)  
}
```

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, 203, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 196) }
```

Border

The CSS property to change the border of an element to Yxy 67.9574, 0.3591, 0.3364 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, 203, 196) }
```

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

```
.border{ border-color:rgb(255, 203, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9574, 0.3591, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 196) }
```

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

```
.background{ background-color: rgb(255,  
203, 196) }
```

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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