

Converting Colors

$Y_{xy}(67.9572, 0.3354, 0.3010)$

Have a look what the booklet for
Yxy(67.9572, 0.3354, 0.3010)
contains.

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Color

Yxy(68.1146, 0.3357, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8E3
RGB	255, 200, 227
RGB Percent	100%, 78%, 89%
CMY	0.0000, 0.2157, 0.1099
CMYK	0.00, 0.22, 0.11, 0.00
HSL	331°, 100%, 89%
HSV	331°, 22%, 100%
XYZ	75.7656, 68.1146, 81.8143
YIQ	219.5230, 24.1130, 20.0570

Conversions

Conversions Part 2

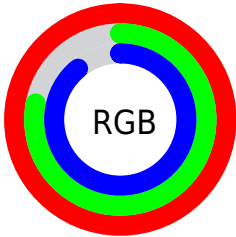
Format	Color
R_{YB}	255, 200, 227
Decimal	16763107
CIE _{Lab}	86.06, 23.68, -5.85
CIE _{LCh}	86, 24.388, 346.114
Yxy	68.1146, 0.3357, 0.3018
Android (android.graphics.Color)	4294953187 (0xFFFFC8E3)
YUV	219.5230, 3.6862, 31.1133
Hunter-Lab	82.5316, 19.4363, -1.0026

Details

The Yxy color **68.1146, 0.3357, 0.3018** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.4009, 0.2946, 0.3579**, and the grayscale version is **71.1778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5421, 0.3410, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **56.5788, 0.3499, 0.2885**, and if you desaturate by 10%, it is **81.6685, 0.3239, 0.3148**.

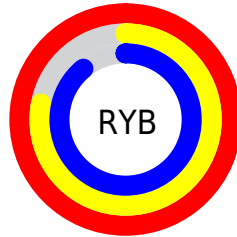
Distribution



Red (100%)

Green (78%)

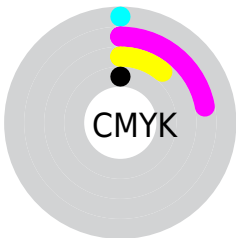
Blue (89%)



Red (100%)

Yellow (78%)

Blue (89%)

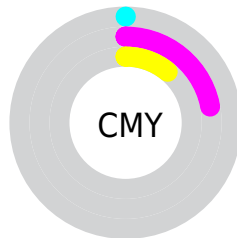


Cyan (0%)

Magenta (22%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1146, 0.3357, 0.3018 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 68.1146, 0.3357, 0.3018 by changing the saturation by 10% instead.


 68.1146, 0.3357,
0.3018

 68.1146, 0.3357,
0.3018


453.9019, 0.3251,
0.3143

 49.9910, 0.3381,
0.2990


116.5161, 0.3320,
0.3061

 35.4062, 0.3411,
0.2955


147.5627, 0.3306,
0.3078

 23.9760, 0.3449,
0.2911


183.6858, 0.3293,
0.3092

 15.3158, 0.3499,
0.2854


225.2697, 0.3283,
0.3105

 9.0413, 0.3567,
0.2778

272.6989, 0.3273,
0.3116

 4.7681, 0.3665,
0.2668

326.3578, 0.3265,

 2.1119, 0.3818,

0.3126

0.2500

386.6306, 0.3257,
0.3135

0.6713, 0.4115,
0.2168

0.0000, 1.0000,
0.0000

68.1146, 0.3357,
0.3018

68.1146, 0.3357,
0.3018

56.5788, 0.3499,
0.2885

81.6685, 0.3239,
0.3148

46.9709, 0.3667,
0.2754

97.3411, 0.3141,
0.3271

39.1809, 0.3863,
0.2634

100.0000, 0.3127,
0.3290

33.0909, 0.4085,
0.2534

■ 28.5692, 0.4329,
0.2468

■ 25.4643, 0.4585,
0.2448

■ 23.5941, 0.4838,
0.2483

■ 22.7436, 0.5042,
0.2551

Harmonies

Analogous

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



68.1146, 0.3052, 0.2855



68.1146, 0.3357, 0.3018



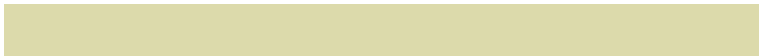
68.1146, 0.3607, 0.3248

Triad

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



68.1146, 0.3357, 0.3018



68.1146, 0.3467, 0.3822



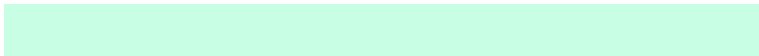
68.1146, 0.2566, 0.3036

Complementary

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



68.1146, 0.3357, 0.3018



89.4009, 0.2946, 0.3579

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.



68.1146, 0.2665, 0.3305



68.1146, 0.3357, 0.3018



68.1146, 0.3179, 0.3780

Square

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



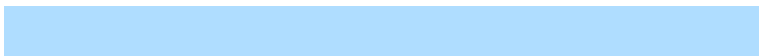
68.1146, 0.3357, 0.3018



68.1146, 0.3670, 0.3711



68.1146, 0.2887, 0.3586



68.1146, 0.2606, 0.2855

Rectangle

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



68.1146, 0.3357, 0.3018



68.1146, 0.3703, 0.3416



68.1146, 0.2887, 0.3586



68.1146, 0.2584, 0.3119

Sweetspot

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



68.1117, 0.3357, 0.3018



90.1319, 0.3182, 0.3218



64.9386, 0.2953, 0.2718



19.0721, 0.3188, 0.3209



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.



68.1117, 0.3357, 0.3018



62.7590, 0.3416, 0.2959



66.7365, 0.3567, 0.3291



18.1357, 0.3217, 0.3174



11.9140, 0.5004, 0.2530



1.1820, 0.4745, 0.2387

Inverse Universe

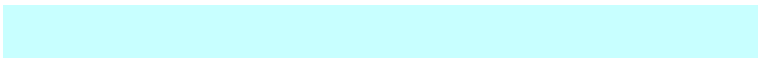
The Inverse Universe completely reimagines the original color for something new.



68.1117, 0.3357, 0.3018



62.7590, 0.3416, 0.2959



91.0188, 0.2805, 0.3289



18.1357, 0.3217, 0.3174



11.9140, 0.5004, 0.2530



1.1820, 0.4745, 0.2387

Previews

White Background



This preview shows how the Yxy color 68.1146, 0.3357, 0.3018 looks on a white background.

Color Contrast Check

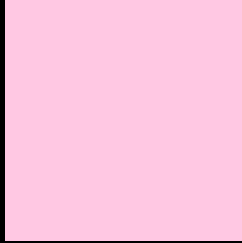
Large Text (above 18pt) WCAG AA × Fail

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 68.1146, 0.3357, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

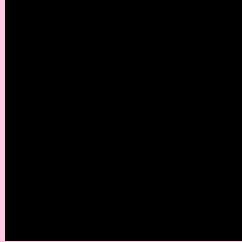
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1146, 0.3357, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 68.1146, 0.3357, 0.3018.



This preview shows how white text looks on a background with the Yxy color 68.1146, 0.3357, 0.3018.

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

68.1146, 0.3357, 0.3018

Protanopia

68.4454, 0.2982, 0.3050

Deuteranopia

68.1930, 0.3187, 0.3120



Tritanopia

68.3216, 0.3422, 0.3138

Trichromacy



Original Color

68.1146, 0.3357, 0.3018

Protanomaly

68.1421, 0.3110, 0.3035

Deuteranomaly

68.1589, 0.3243, 0.3081

Tritanomaly

68.0646, 0.3393, 0.3087

Monochromacy



Original Color

68.1146, 0.3357, 0.3018

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.2399, 0.3206, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1146, 0.3357, 0.3018 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 227) }
```

Border

The CSS property to change the border of an element to Yxy 68.1146, 0.3357, 0.3018 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, 227) }
```

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

```
.border{ border-color:rgb(255, 200, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1146, 0.3357, 0.3018 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
200, 227) }
```

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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