

Converting Colors

$Y_{xy}(66.6386, 0.3334, 0.2947)$

Have a look what the booklet for
Yxy(66.6386, 0.3334, 0.2947)
contains.

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Color

Yxy(66.4530, 0.3339, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4E6
RGB	255, 196, 230
RGB Percent	100%, 77%, 90%
CMY	0.0000, 0.2314, 0.0982
CMYK	0.00, 0.23, 0.10, 0.00
HSL	325°, 100%, 88%
HSV	325°, 23%, 100%
XYZ	75.2668, 66.4530, 83.6974
YIQ	217.5170, 24.2500, 23.0820

Conversions

Conversions Part 2

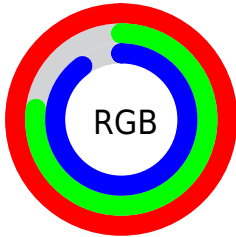
Format	Color
R _{YB}	255, 196, 230
Decimal	16762086
CIE Lab	85.23, 26.26, -8.68
CIE LCh	85, 27.659, 341.711
Yxy	66.4530, 0.3339, 0.2948
Android (android.graphics.Color)	4294952166 (0xFFFFC4E6)
YUV	217.5170, 6.1541, 32.8726
Hunter-Lab	81.5187, 22.1526, -3.8115

Details

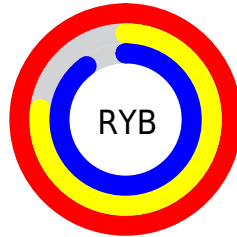
The Yxy color **66.4530, 0.3339, 0.2948** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.4776, 0.2960, 0.3659**, and the grayscale version is **69.7013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.4469, 0.3386, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **55.3188, 0.3460, 0.2794**, and if you desaturate by 10%, it is **79.5744, 0.3236, 0.3100**.

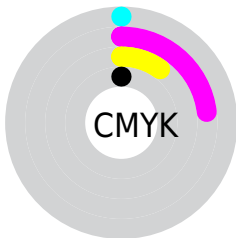
Distribution



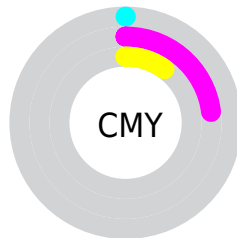
- Red (100%)
- Green (77%)
- Blue (90%)



- Red (100%)
- Yellow (77%)
- Blue (90%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4530, 0.3339, 0.2948 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 66.4530, 0.3339, 0.2948 by changing the saturation by 10% instead.

 66.4530, 0.3339,
0.2948

 66.4530, 0.3339,
0.2948


447.9952, 0.3242,
0.3104

 48.6402, 0.3361,
0.2913


 114.1363, 0.3305,
0.3002

 34.3342, 0.3388,
0.2870


144.7755, 0.3292,
0.3023

 23.1504, 0.3423,
0.2815


180.4591, 0.3281,
0.3041

 14.7046, 0.3468,
0.2745

221.5714, 0.3271,
0.3057

 8.6124, 0.3528,
0.2650

268.4967, 0.3262,
0.3071

 4.4892, 0.3615,
0.2515


321.6196, 0.3255,


 1.9508, 0.3749,


0.3083

0.2311


381.3243, 0.3248,
0.3094

 0.5787, 0.4026,
0.1877


 0.0000, 0.8151,
0.0000


 66.4530, 0.3339,
0.2948


 66.4530, 0.3339,
0.2948

 55.3188, 0.3460,
0.2794


 79.5744, 0.3236,
0.3100

 46.0805, 0.3602,
0.2643

 94.7836, 0.3151,
0.3246

 38.6272, 0.3764,
0.2505

100.0000, 0.3127,
0.3290

 32.8397, 0.3945,
0.2391

■ 28.5843, 0.4140,
0.2313

■ 25.7062, 0.4342,
0.2283

■ 24.0174, 0.4542,
0.2306

■ 23.3606, 0.4676,
0.2349

Harmonies

Analogous

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



66.4530, 0.2990, 0.2779



66.4530, 0.3339, 0.2948



66.4530, 0.3643, 0.3199

Triad

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



66.4530, 0.3339, 0.2948



66.4530, 0.3556, 0.3890



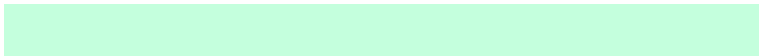
66.4530, 0.2496, 0.3037

Complementary

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



66.4530, 0.3339, 0.2948



88.4776, 0.2960, 0.3659

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.



66.4530, 0.2630, 0.3354



66.4530, 0.3339, 0.2948



66.4530, 0.3235, 0.3874

Square

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



66.4530, 0.3339, 0.2948



66.4530, 0.3768, 0.3737



66.4530, 0.2897, 0.3672



66.4530, 0.2519, 0.2815

Rectangle

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



66.4530, 0.3339, 0.2948



66.4530, 0.3770, 0.3388



66.4530, 0.2897, 0.3672



66.4530, 0.2524, 0.3136

Sweetspot

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



66.4503, 0.3339, 0.2948



88.6570, 0.3182, 0.3191



62.0057, 0.2902, 0.2667



18.7775, 0.3187, 0.3182



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.



66.4503, 0.3339, 0.2948



60.7953, 0.3395, 0.2873



64.9521, 0.3568, 0.3241



18.1624, 0.3204, 0.3154



12.2369, 0.4645, 0.2332



1.2133, 0.4435, 0.2217

Inverse Universe

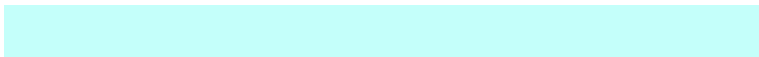
The Inverse Universe completely reimagines the original color for something new.



66.4503, 0.3339, 0.2948



60.7953, 0.3395, 0.2873



90.1629, 0.2808, 0.3341



18.1624, 0.3204, 0.3154



12.2369, 0.4645, 0.2332



1.2133, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 66.4530, 0.3339, 0.2948 looks on a white background.

Color Contrast Check

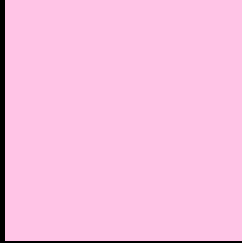
Large Text (above 18pt) WCAG AA × Fail

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 66.4530, 0.3339, 0.2948 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 66.4530, 0.3339, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 66.4530, 0.3339, 0.2948.



This preview shows how white text looks on a background with the Yxy color 66.4530, 0.3339, 0.2948.

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

66.4530, 0.3339, 0.2948

Protanopia

66.9335, 0.2922, 0.2983

Deuteranopia

66.5580, 0.3130, 0.3064



Tritanopia

66.5845, 0.3442, 0.3137

Trichromacy



Original Color

66.4530, 0.3339, 0.2948

Protanomaly

66.3675, 0.3068, 0.2970

Deuteranomaly

66.3735, 0.3201, 0.3017

Tritanomaly

66.6263, 0.3405, 0.3066

Monochromacy



Original Color

66.4530, 0.3339, 0.2948

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.3560, 0.3200, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4530, 0.3339, 0.2948 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, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 230)  
}
```

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, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 230) }
```

Border

The CSS property to change the border of an element to Yxy 66.4530, 0.3339, 0.2948 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, 196, 230) }
```

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

```
.border{ border-color:rgb(255, 196, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 196, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4530, 0.3339, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 230) }
```

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

```
.background{ background-color: rgb(255,  
196, 230) }
```

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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