

Converting Colors

$Yxy(66.7135, 0.3296, 0.2891)$

Have a look what the booklet for
Yxy(66.7135, 0.3296, 0.2891)
contains.

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Color

Yxy(66.7960, 0.3293, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4EC
RGB	255, 196, 236
RGB Percent	100%, 77%, 93%
CMY	0.0001, 0.2313, 0.0746
CMYK	0.00, 0.23, 0.07, 0.00
HSL	319°, 100%, 88%
HSV	319°, 23%, 100%
XYZ	76.1105, 66.7960, 88.2216
YIQ	218.2010, 22.3240, 24.9480

Conversions

Conversions Part 2

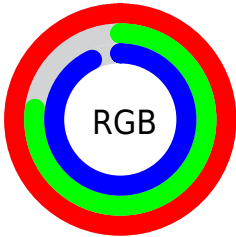
Format	Color
R _Y B	255, 196, 236
Decimal	16762092
CIE Lab	85.40, 27.23, -11.62
CIE LCh	85, 29.611, 336.888
Yxy	66.7960, 0.3293, 0.2890
Android (android.graphics.Color)	4294952172 (0xFFFFC4EC)
YUV	218.2010, 8.7749, 32.2727
Hunter-Lab	81.7288, 23.2038, -6.7900

Details

The Yxy color **66.7960, 0.3293, 0.2890** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1494, 0.2993, 0.3727**, and the grayscale version is **70.1841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.6471, 0.3335, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **55.7893, 0.3386, 0.2711**, and if you desaturate by 10%, it is **79.7852, 0.3213, 0.3067**.

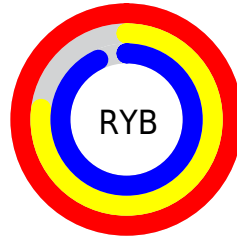
Distribution



Red (100%)

Green (77%)

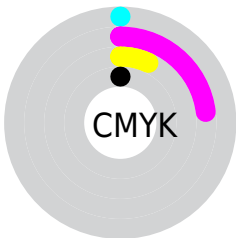
Blue (93%)



Red (100%)

Yellow (77%)

Blue (93%)

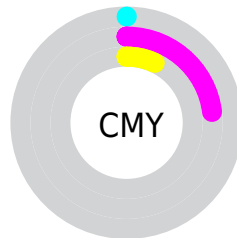


Cyan (0%)

Magenta (23%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7960, 0.3293, 0.2890 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 66.7960, 0.3293, 0.2890 by changing the saturation by 10% instead.


 66.7960, 0.3293,
0.2890

 66.7960, 0.3293,
0.2890

449.2183, 0.3218,
0.3072

 48.9189, 0.3310,
0.2849

114.6281, 0.3267,
0.2952

 34.5551, 0.3330,
0.2800


145.3518, 0.3257,
0.2977

 23.3204, 0.3355,
0.2737


181.1264, 0.3249,
0.2998

 14.8303, 0.3388,
0.2657

222.3365, 0.3241,
0.3016

 8.7003, 0.3432,
0.2550

269.3663, 0.3234,
0.3033

 4.5462, 0.3492,
0.2400


322.6003, 0.3228,


 1.9836, 0.3582,


0.3047


0.2174


382.4228, 0.3223,
0.3060


 0.5979, 0.3760,
0.1733

 0.0000, 0.4119,
0.0000


 66.7960, 0.3293,
0.2890


 66.7960, 0.3293,
0.2890

 55.7893, 0.3386,
0.2711

 79.7852, 0.3213,
0.3067

 46.6570, 0.3492,
0.2537

 94.8401, 0.3146,
0.3238

 39.2946, 0.3612,
0.2378

99.9952, 0.3127,
0.3290

 33.5834, 0.3742,
0.2243

■ 29.3899, 0.3881,
0.2145

■ 26.5600, 0.4022,
0.2094

■ 24.9063, 0.4162,
0.2093

■ 24.2654, 0.4255,
0.2118

Harmonies

Analogous

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



66.7960, 0.2923, 0.2728



66.7960, 0.3293, 0.2890



66.7960, 0.3634, 0.3145

Triad

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



66.7960, 0.3293, 0.2890



66.7960, 0.3631, 0.3915



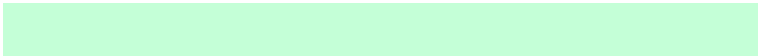
66.7960, 0.2467, 0.3067

Complementary

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



66.7960, 0.3293, 0.2890



88.1494, 0.2993, 0.3727

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.



66.7960, 0.2634, 0.3416



66.7960, 0.3293, 0.2890



66.7960, 0.3300, 0.3933

Square

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



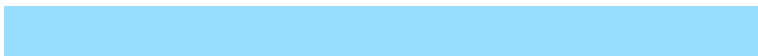
66.7960, 0.3293, 0.2890



66.7960, 0.3832, 0.3727



66.7960, 0.2936, 0.3746



66.7960, 0.2464, 0.2811

Rectangle

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



66.7960, 0.3293, 0.2890



66.7960, 0.3790, 0.3344



66.7960, 0.2936, 0.3746



66.7960, 0.2505, 0.3178

Sweetspot

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



66.7990, 0.3293, 0.2890



88.7704, 0.3171, 0.3173



61.1072, 0.2861, 0.2660



18.8038, 0.3175, 0.3163



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.



66.7990, 0.3293, 0.2890



61.2009, 0.3337, 0.2803



65.2407, 0.3520, 0.3180



18.1949, 0.3188, 0.3130



12.7105, 0.4234, 0.2106



1.2576, 0.4087, 0.2025

Inverse Universe

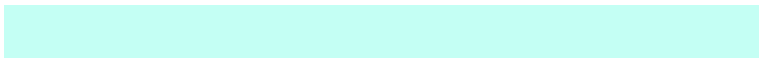
The Inverse Universe completely reimagines the original color for something new.



66.7990, 0.3293, 0.2890



61.2009, 0.3337, 0.2803



89.7841, 0.2839, 0.3404



18.1949, 0.3188, 0.3130



12.7105, 0.4234, 0.2106



1.2576, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 66.7960, 0.3293, 0.2890 looks on a white background.

Color Contrast Check

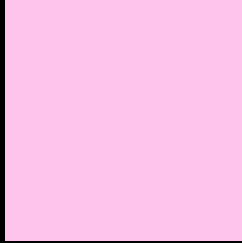
Large Text (above 18pt) WCAG AA × Fail

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 66.7960, 0.3293, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

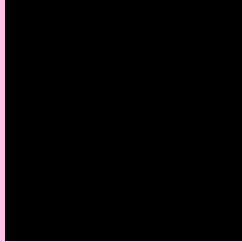
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7960, 0.3293, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 66.7960, 0.3293, 0.2890.

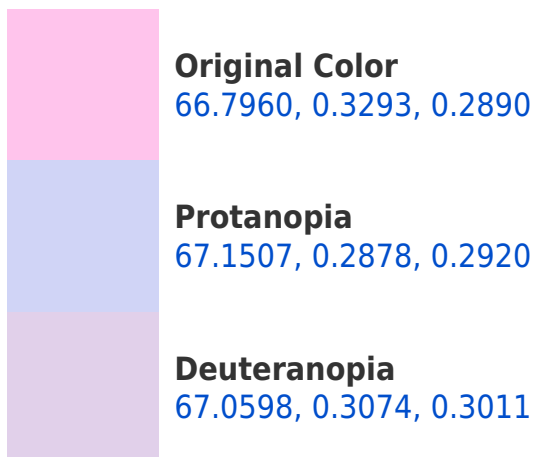


This preview shows how white text looks on a background with the Yxy color 66.7960, 0.3293, 0.2890.

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





Tritanopia

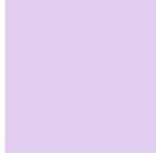
66.9103, 0.3425, 0.3136

Trichromacy



Original Color

66.7960, 0.3293, 0.2890



Protanomaly

66.5610, 0.3021, 0.2908



Deuteranomaly

67.0168, 0.3150, 0.2966



Tritanomaly

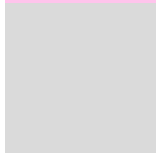
67.0572, 0.3373, 0.3046

Monochromacy



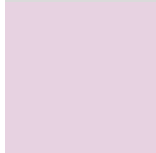
Original Color

66.7960, 0.3293, 0.2890



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.5184, 0.3179, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7960, 0.3293, 0.2890 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 236) }
```

Border

The CSS property to change the border of an element to Yxy 66.7960, 0.3293, 0.2890 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, 236) }
```

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

```
.border{ border-color:rgb(255, 196, 236) }
```

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, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7960, 0.3293, 0.2890 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
196, 236) }
```

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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