

Converting Colors

$Y_{xy}(70.7218, 0.3528, 0.2999)$

Have a look what the booklet for
Yxy(70.7218, 0.3528, 0.2999)
contains.

Yxy(66.2859, 0.3362, 0.2977)	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(66.2859, 0.3362, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4E3
RGB	255, 196, 227
RGB Percent	100%, 77%, 89%
CMY	0.0000, 0.2314, 0.1098
CMYK	0.00, 0.23, 0.11, 0.00
HSL	328°, 100%, 88%
HSV	328°, 23%, 100%
XYZ	74.8583, 66.2859, 81.5158
YIQ	217.1750, 25.2130, 22.1490

Conversions

Conversions Part 2

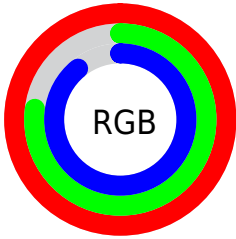
Format	Color
R _Y B	255, 196, 227
Decimal	16762083
CIE Lab	85.14, 25.79, -7.22
CIE LCh	85, 26.781, 344.359
Yxy	66.2859, 0.3362, 0.2977
Android (android.graphics.Color)	4294952163 (0xFFFFC4E3)
YUV	217.1750, 4.8437, 33.1725
Hunter-Lab	81.4162, 21.6441, -2.3713

Details

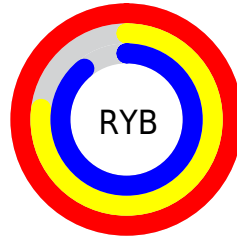
The Yxy color $66.2859, 0.3362, 0.2977$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.6352, 0.2944, 0.3626$, and the grayscale version is $69.4596, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.7306, 0.3128, 0.3271$, and $34.3303, 0.3417, 0.2903$ is the 20% darker color. If you saturate the color by 10%, you get $55.0924, 0.3497, 0.2835$, and if you desaturate by 10%, it is $79.4671, 0.3248, 0.3116$.

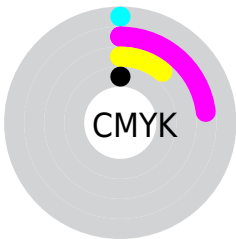
Distribution



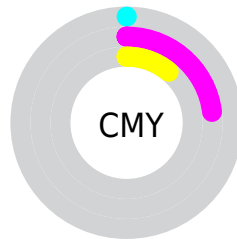
- Red (100%)
- Green (77%)
- Blue (89%)



- Red (100%)
- Yellow (77%)
- Blue (89%)



- Cyan (0%)
- Magenta (23%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2859, 0.3362, 0.2977 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 66.2859, 0.3362, 0.2977 by changing the saturation by 10% instead.

 66.2859, 0.3362,
0.2977

 66.2859, 0.3362,
0.2977

447.3987, 0.3253,
0.3121

 48.5045, 0.3387,
0.2945

 113.8966, 0.3324,
0.3027

 34.2266, 0.3418,
0.2905


144.4947, 0.3310,
0.3046

 23.0677, 0.3456,
0.2854


180.1338, 0.3297,
0.3063

 14.6435, 0.3507,
0.2789

221.1983, 0.3286,
0.3077

 8.5696, 0.3577,
0.2700

268.0727, 0.3276,
0.3090

 4.4615, 0.3677,
0.2574

321.1413, 0.3268,

 1.9349, 0.3834,

0.3101

0.2381

380.7885, 0.3260,
0.3111

0.5693, 0.4165,
0.1951

0.0000, 1.0000,
0.0000

66.2859, 0.3362,
0.2977

66.2859, 0.3362,
0.2977

55.0924, 0.3497,
0.2835

79.4671, 0.3248,
0.3116

45.8080, 0.3657,
0.2697

94.7499, 0.3153,
0.3250

38.3173, 0.3841,
0.2570

100.0000, 0.3127,
0.3290

32.5007, 0.4049,
0.2467

■ 28.2241, 0.4274,
0.2400

■ 25.3325, 0.4508,
0.2381

■ 23.6375, 0.4739,
0.2417

■ 22.9807, 0.4891,
0.2468

Harmonies

Analogous

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



66.2859, 0.3023, 0.2804



66.2859, 0.3362, 0.2977



66.2859, 0.3647, 0.3226

Triad

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



66.2859, 0.3362, 0.2977



66.2859, 0.3519, 0.3877



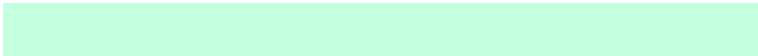
66.2859, 0.2510, 0.3022

Complementary

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



66.2859, 0.3362, 0.2977



88.6352, 0.2944, 0.3626

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.



66.2859, 0.2628, 0.3324



66.2859, 0.3362, 0.2977



66.2859, 0.3203, 0.3844

Square

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



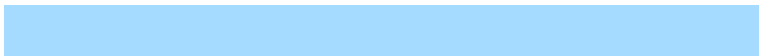
66.2859, 0.3362, 0.2977



66.2859, 0.3737, 0.3742



66.2859, 0.2878, 0.3635



66.2859, 0.2546, 0.2816

Rectangle

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



66.2859, 0.3362, 0.2977



66.2859, 0.3760, 0.3411



66.2859, 0.2878, 0.3635



66.2859, 0.2533, 0.3115

Sweetspot

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



66.2788, 0.3362, 0.2977



88.6016, 0.3188, 0.3199



62.4647, 0.2923, 0.2671



18.7647, 0.3193, 0.3191



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.



66.2788, 0.3362, 0.2977



60.6016, 0.3425, 0.2908



64.8082, 0.3592, 0.3271



18.1466, 0.3211, 0.3166



12.0384, 0.4856, 0.2449



1.1942, 0.4617, 0.2317

Inverse Universe

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



66.2788, 0.3362, 0.2977



60.6016, 0.3425, 0.2908



90.3477, 0.2793, 0.3310



18.1466, 0.3211, 0.3166



12.0384, 0.4856, 0.2449



1.1942, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 66.2859, 0.3362, 0.2977 looks on a white background.

Color Contrast Check

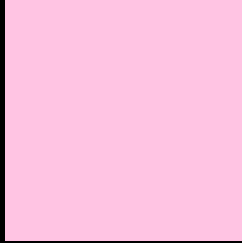
Large Text (above 18pt) WCAG AA × Fail

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 66.2859, 0.3362, 0.2977 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 66.2859, 0.3362, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 66.2859, 0.3362, 0.2977.



This preview shows how white text looks on a background with the Yxy color 66.2859, 0.3362, 0.2977.

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

66.2859, 0.3362, 0.2977

Protanopia

66.4046, 0.2947, 0.3004

Deuteranopia

66.5559, 0.3159, 0.3096



Tritanopia

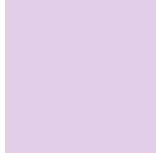
66.1259, 0.3444, 0.3126

Trichromacy



Original Color

66.2859, 0.3362, 0.2977



Protanomaly

66.1946, 0.3089, 0.3000



Deuteranomaly

66.3800, 0.3230, 0.3048



Tritanomaly

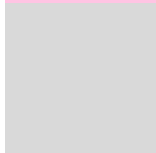
66.1178, 0.3414, 0.3066

Monochromacy



Original Color

66.2859, 0.3362, 0.2977



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.8103, 0.3208, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2859, 0.3362, 0.2977 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 227) }
```

Border

The CSS property to change the border of an element to Yxy 66.2859, 0.3362, 0.2977 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, 227) }
```

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

```
.border{ border-color:rgb(255, 196, 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, 196, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 227); box-shadow:4px 4px 4px 4px rgb(255, 196, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2859, 0.3362, 0.2977 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
196, 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](#).

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