

Converting Colors

$Y_{xy}(70.0061, 0.3785, 0.2720)$

Have a look what the booklet for
Yxy(70.0061, 0.3785, 0.2720)
contains.

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Color

Yxy(56.6178, 0.3292, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	FFABEF
RGB	255, 171, 239
RGB Percent	100%, 67%, 94%
CMY	0.0000, 0.3294, 0.0627
CMYK	0.00, 0.33, 0.06, 0.00
HSL	311°, 100%, 84%
HSV	311°, 33%, 100%
XYZ	71.3848, 56.6178, 88.8407
YIQ	203.8680, 28.2360, 38.9560

Conversions

Conversions Part 2

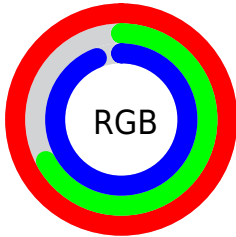
Format	Color
R _Y B	255, 171, 239
Decimal	16755695
CIE Lab	79.96, 40.85, -21.43
CIE LCh	80, 46.134, 332.318
Yxy	56.6178, 0.3292, 0.2611
Android (android.graphics.Color)	4294945775 (0xFFFFABEF)
YUV	203.8680, 17.3201, 44.8428
Hunter-Lab	75.2448, 37.6648, -17.3317

Details

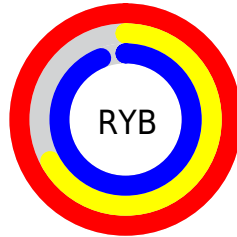
The Yxy color **56.6178, 0.3292, 0.2611** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.7655, 0.2998, 0.4082**, and the grayscale version is **60.1729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **28.0118, 0.3323, 0.2454** is the 20% darker color. If you saturate the color by 10%, you get **47.6151, 0.3356, 0.2410**, and if you desaturate by 10%, it is **67.4911, 0.3234, 0.2820**.

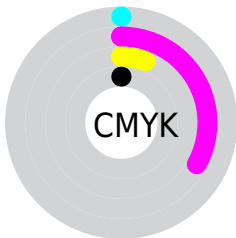
Distribution



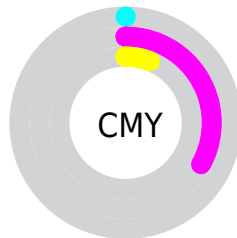
- Red (100%)
- Green (67%)
- Blue (94%)



- Red (100%)
- Yellow (67%)
- Blue (94%)



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6178, 0.3292, 0.2611 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 56.6178, 0.3292, 0.2611 by changing the saturation by 10% instead.


 56.6178, 0.3292,
0.2611

 56.6178, 0.3292,
0.2611

412.0156, 0.3221,
0.2919

 40.6985, 0.3307,
0.2542


 99.9073, 0.3268,
0.2717

 28.0835, 0.3325,
0.2458


128.0462, 0.3259,
0.2758

 18.3886, 0.3346,
0.2353


161.0272, 0.3251,
0.2794

 11.2294, 0.3372,
0.2219

199.2345, 0.3243,
0.2825

 6.2213, 0.3404,
0.2041

243.0526, 0.3237,
0.2853

 2.9801, 0.3442,
0.1795

292.8659, 0.3231,

 1.1214, 0.3484,

0.2878

0.1441

349.0588, 0.3226,
0.2900

0.0000, 0.3857,
0.0000

0.0000, 0.0000,
0.0000

56.6178, 0.3292,
0.2611

56.6178, 0.3292,
0.2611

47.6151, 0.3356,
0.2410

67.4911, 0.3234,
0.2820

40.3685, 0.3426,
0.2226

80.3265, 0.3183,
0.3029

34.7622, 0.3500,
0.2069

95.2183, 0.3139,
0.3232

30.6634, 0.3575,
0.1949

100.0000, 0.3127,
0.3290

■ 27.9185, 0.3650,
0.1875

■ 26.3413, 0.3722,
0.1847

■ 25.7397, 0.3770,
0.1851

Harmonies

Analogous

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



56.6178, 0.2702, 0.2389



56.6178, 0.3292, 0.2611



56.6178, 0.3887, 0.2979

Triad

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



56.6178, 0.3292, 0.2611



56.6178, 0.3996, 0.4262



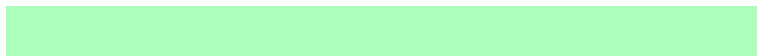
56.6178, 0.2103, 0.2978

Complementary

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



56.6178, 0.3292, 0.2611



83.7655, 0.2998, 0.4082

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.



56.6178, 0.2388, 0.3581



56.6178, 0.3292, 0.2611



56.6178, 0.3472, 0.4392

Square

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



56.6178, 0.3292, 0.2611



56.6178, 0.4302, 0.3889



56.6178, 0.2882, 0.4143



56.6178, 0.2066, 0.2550

Rectangle

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



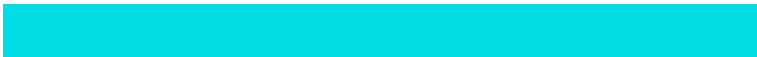
56.6178, 0.3292, 0.2611



56.6178, 0.4178, 0.3274



56.6178, 0.2882, 0.4143



56.6178, 0.2171, 0.3166

Sweetspot

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



56.6202, 0.3292, 0.2611



84.4872, 0.3170, 0.3089



46.8367, 0.2639, 0.2334



17.6532, 0.3176, 0.3061



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.



56.6202, 0.3292, 0.2611



50.0750, 0.3337, 0.2468



54.4460, 0.3651, 0.3014



18.2376, 0.3167, 0.3100



13.4707, 0.3759, 0.1845



1.3262, 0.3685, 0.1804

Inverse Universe

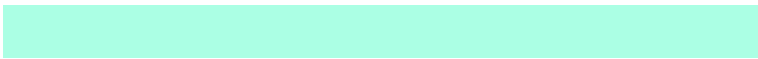
The Inverse Universe completely reimagines the original color for something new.



56.6202, 0.3292, 0.2611



50.0750, 0.3337, 0.2468



85.8020, 0.2785, 0.3588



18.2376, 0.3167, 0.3100



13.4707, 0.3759, 0.1845



1.3262, 0.3685, 0.1804

Previews

White Background



This preview shows how the Yxy color 56.6178, 0.3292, 0.2611 looks on a white background.

Color Contrast Check

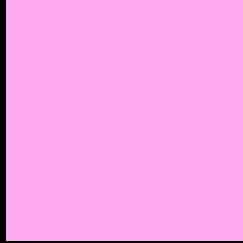
Large Text (above 18pt) WCAG AA × Fail

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 56.6178, 0.3292, 0.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

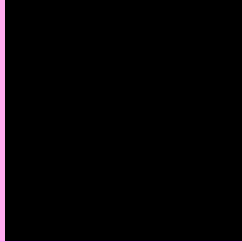
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6178, 0.3292, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 56.6178, 0.3292, 0.2611.

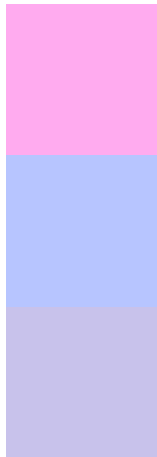


This preview shows how white text looks on a background with the Yxy color 56.6178, 0.3292, 0.2611.

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

56.6178, 0.3292, 0.2611

Protanopia

57.2198, 0.2647, 0.2632

Deuteranopia

56.8611, 0.2884, 0.2822



Tritanopia

56.6325, 0.3620, 0.3153

Trichromacy



Original Color

56.6178, 0.3292, 0.2611



Protanomaly

56.3613, 0.2855, 0.2621



Deuteranomaly

56.3896, 0.3026, 0.2743



Tritanomaly

56.6067, 0.3495, 0.2947

Monochromacy



Original Color

56.6178, 0.3292, 0.2611



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.3970, 0.3188, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6178, 0.3292, 0.2611 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, 171, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 239)  
}
```

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, 171, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 239) }
```

Border

The CSS property to change the border of an element to Yxy 56.6178, 0.3292, 0.2611 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, 171, 239) }
```

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

```
.border{ border-color:rgb(255, 171, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 171, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 171, 239); box-shadow:4px 4px 4px 4px rgb(255, 171, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6178, 0.3292, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 239) }
```

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

```
.background{ background-color: rgb(255,  
171, 239) }
```

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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