

Converting Colors

$Y_{xy}(60.0319, 0.3636, 0.2905)$

Have a look what the booklet for
Yxy(60.0319, 0.3636, 0.2905)
contains.

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Color

Yxy(56.7750, 0.3498, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	FFAFD6
RGB	255, 175, 214
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3138, 0.1608
CMYK	0.00, 0.31, 0.16, 0.00
HSL	331°, 100%, 84%
HSV	331°, 31%, 100%
XYZ	68.7194, 56.7750, 70.9589
YIQ	203.3660, 35.1610, 29.0890

Conversions

Conversions Part 2

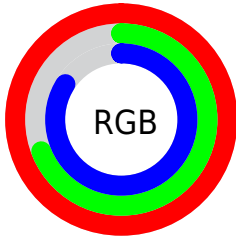
Format	Color
R _Y B	255, 175, 214
Decimal	16756694
CIE Lab	80.05, 34.74, -7.79
CIE LCh	80, 35.605, 347.362
Yxy	56.7750, 0.3498, 0.2890
Android (android.graphics.Color)	4294946774 (0xFFFFAFD6)
YUV	203.3660, 5.2426, 45.2830
Hunter-Lab	75.3492, 30.9331, -3.0910

Details

The Yxy color $56.7750, 0.3498, 0.2890$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $85.5890, 0.2869, 0.3731$, and the grayscale version is $59.9067, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $28.0483, 0.3595, 0.2791$ is the 20% darker color. If you saturate the color by 10%, you get $47.1232, 0.3666, 0.2760$, and if you desaturate by 10%, it is $68.3438, 0.3355, 0.3022$.

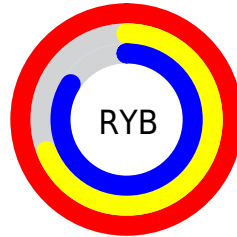
Distribution



Red (100%)

Green (69%)

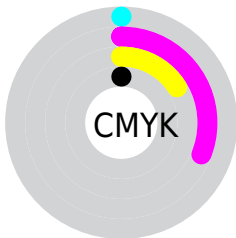
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

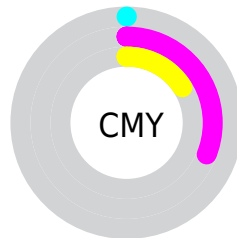


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7750, 0.3498, 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 56.7750, 0.3498, 0.2890 by changing the saturation by 10% instead.


 56.7750, 0.3498,
0.2890

 56.7750, 0.3498,
0.2890


412.6057, 0.3322,
0.3077

 40.8246, 0.3539,
0.2847


 100.1368, 0.3436,
0.2955

 28.1821, 0.3591,
0.2793


128.3170, 0.3412,
0.2981

 18.4630, 0.3658,
0.2724


161.3427, 0.3392,
0.3003

 11.2829, 0.3747,
0.2634

199.5981, 0.3374,
0.3021

 6.2574, 0.3871,
0.2510

243.4677, 0.3358,
0.3038

 3.0022, 0.4056,
0.2330


293.3359, 0.3345,

 1.1329, 0.4361,

0.3053

0.2044


349.5871, 0.3333,
0.3066


 0.0059, 0.6052,
0.0041

 0.0000, 0.0000,
0.0000


 56.7750, 0.3498,
0.2890


 56.7750, 0.3498,
0.2890

 47.1232, 0.3666,
0.2760


 68.3438, 0.3355,
0.3022

 39.2973, 0.3863,
0.2640

 81.9441, 0.3237,
0.3151

 33.1743, 0.4087,
0.2540

 97.6627, 0.3139,
0.3274

 28.6229, 0.4332,
0.2474

100.0000, 0.3127,
0.3290

■ 25.4920, 0.4590,
0.2454

■ 23.6001, 0.4845,
0.2489

■ 22.7243, 0.5055,
0.2558

Harmonies

Analogous

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



56.7750, 0.3023, 0.2646



56.7750, 0.3498, 0.2890



56.7750, 0.3889, 0.3229

Triad

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



56.7750, 0.3498, 0.2890



56.7750, 0.3624, 0.4122



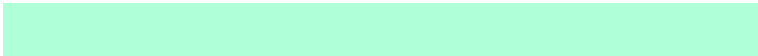
56.7750, 0.2278, 0.2869

Complementary

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



56.7750, 0.3498, 0.2890



85.5890, 0.2869, 0.3731

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.



56.7750, 0.2412, 0.3282



56.7750, 0.3498, 0.2890



56.7750, 0.3175, 0.4065

Square

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



56.7750, 0.3498, 0.2890



56.7750, 0.3953, 0.3933



56.7750, 0.2734, 0.3741



56.7750, 0.2347, 0.2614

Rectangle

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



56.7750, 0.3498, 0.2890



56.7750, 0.4032, 0.3478



56.7750, 0.2734, 0.3741



56.7750, 0.2300, 0.2993

Sweetspot

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



56.7697, 0.3498, 0.2890



85.4871, 0.3212, 0.3181



52.3203, 0.2853, 0.2431



17.8308, 0.3227, 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.



56.7697, 0.3498, 0.2890



50.1728, 0.3606, 0.2803



55.0089, 0.3848, 0.3292



18.1347, 0.3217, 0.3175



11.9039, 0.5017, 0.2537



1.1810, 0.4756, 0.2393

Inverse Universe

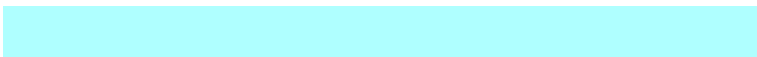
The Inverse Universe completely reimagines the original color for something new.



56.7697, 0.3498, 0.2890



50.1728, 0.3606, 0.2803



87.8523, 0.2676, 0.3289



18.1347, 0.3217, 0.3175



11.9039, 0.5017, 0.2537



1.1810, 0.4756, 0.2393

Previews

White Background



This preview shows how the Yxy color 56.7750, 0.3498, 0.2890 looks on a white background.

Color Contrast Check

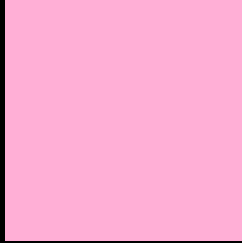
Large Text (above 18pt) WCAG AA × Fail

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 56.7750, 0.3498, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

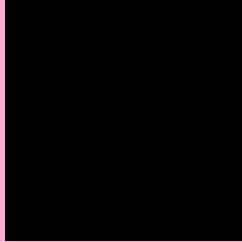
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7750, 0.3498, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 56.7750, 0.3498, 0.2890.



This preview shows how white text looks on a background with the Yxy color 56.7750, 0.3498, 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



Original Color

56.7750, 0.3498, 0.2890

Protanopia

57.0033, 0.2888, 0.2928

Deuteranopia

56.9892, 0.3153, 0.3084



Tritanopia

56.7414, 0.3657, 0.3154

Trichromacy



Original Color

56.7750, 0.3498, 0.2890



Protanomaly

56.3218, 0.3089, 0.2908



Deuteranomaly

56.3653, 0.3273, 0.3002



Tritanomaly

56.8936, 0.3597, 0.3061

Monochromacy



Original Color

56.7750, 0.3498, 0.2890



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

58.1745, 0.3256, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7750, 0.3498, 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, 175, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 214)  
}
```

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, 175, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 214) }
```

Border

The CSS property to change the border of an element to Yxy 56.7750, 0.3498, 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, 175, 214) }
```

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

```
.border{ border-color:rgb(255, 175, 214) }
```

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

Here you see how a box with a 4 pixel rgb(255, 175, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7750, 0.3498, 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, 175, 214) }
```

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

```
.background{ background-color: rgb(255,  
175, 214) }
```

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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