

Converting Colors

$Y_{xy}(64.0105, 0.3904, 0.3030)$

Have a look what the booklet for
Yxy(64.0105, 0.3904, 0.3030)
contains.

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Color

Yxy(56.2317, 0.3594, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	FFAFCB
RGB	255, 175, 203
RGB Percent	100%, 69%, 80%
CMY	0.0001, 0.3137, 0.2039
CMYK	0.00, 0.31, 0.20, 0.00
HSL	339°, 100%, 84%
HSV	339°, 31%, 100%
XYZ	67.3431, 56.2317, 63.8017
YIQ	202.1120, 38.6920, 25.6680

Conversions

Conversions Part 2

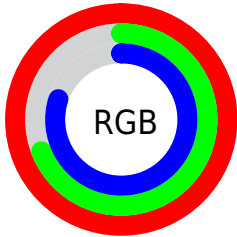
Format	Color
R _Y B	255, 175, 203
Decimal	16756683
CIE Lab	79.75, 33.05, -2.28
CIE LCh	80, 33.129, 356.049
Yxy	56.2317, 0.3594, 0.3001
Android (android.graphics.Color)	4294946763 (0xFFFFAFCB)
YUV	202.1120, 0.4378, 46.3828
Hunter-Lab	74.9878, 29.0741, 2.0459

Details

The Yxy color **56.2317, 0.3594, 0.3001** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.1686, 0.2813, 0.3602**, and the grayscale version is **59.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **27.9593, 0.3714, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **46.4787, 0.3813, 0.2907**, and if you desaturate by 10%, it is **67.9483, 0.3412, 0.3097**.

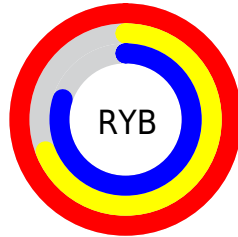
Distribution



Red (100%)

Green (69%)

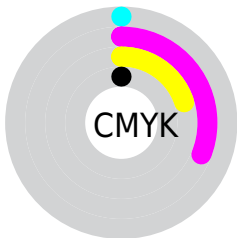
Blue (80%)



Red (100%)

Yellow (69%)

Blue (80%)

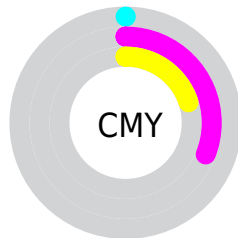


Cyan (0%)

Magenta (31%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2317, 0.3594, 0.3001 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 56.2317, 0.3594, 0.3001 by changing the saturation by 10% instead.

 56.2317, 0.3594,
0.3001

 56.2317, 0.3594,
0.3001

410.5641, 0.3369,
0.3139

 40.3887, 0.3648,
0.2968


 99.3433, 0.3514,
0.3050

 27.8418, 0.3716,
0.2927


127.3806, 0.3483,
0.3069

 18.2064, 0.3803,
0.2874


160.2516, 0.3457,
0.3085

 11.0983, 0.3922,
0.2803

198.3406, 0.3435,
0.3099

 6.1330, 0.4090,
0.2703

242.0319, 0.3415,
0.3111

 2.9261, 0.4347,
0.2553

291.7100, 0.3398,

 1.0933, 0.4784,

0.3121

0.2302

347.7593, 0.3383,
0.3131

0.0000, 0.8582,
0.0000

0.0000, 0.0000,
0.0000

56.2317, 0.3594,
0.3001

56.2317, 0.3594,
0.3001

46.4787, 0.3813,
0.2907

67.9483, 0.3412,
0.3097

38.5731, 0.4073,
0.2821

81.7206, 0.3263,
0.3190

32.3985, 0.4372,
0.2755

97.6443, 0.3142,
0.3278

27.8218, 0.4702,
0.2719

99.9960, 0.3127,
0.3290

■ 24.6904, 0.5045,
0.2728

■ 22.8212, 0.5373,
0.2787

■ 21.9810, 0.5627,
0.2873

Harmonies

Analogous

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



56.2317, 0.3159, 0.2739



56.2317, 0.3594, 0.3001



56.2317, 0.3908, 0.3337

Triad

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



56.2317, 0.3594, 0.3001



56.2317, 0.3479, 0.4076



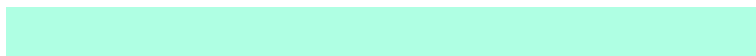
56.2317, 0.2329, 0.2812

Complementary

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



56.2317, 0.3594, 0.3001



86.1686, 0.2813, 0.3602

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.



56.2317, 0.2401, 0.3162



56.2317, 0.3594, 0.3001



56.2317, 0.3049, 0.3944

Square

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



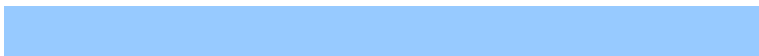
56.2317, 0.3594, 0.3001



56.2317, 0.3830, 0.3963



56.2317, 0.2658, 0.3592



56.2317, 0.2449, 0.2620

Rectangle

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



56.2317, 0.3594, 0.3001



56.2317, 0.3994, 0.3571



56.2317, 0.2658, 0.3592



56.2317, 0.2331, 0.2913

Sweetspot

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



56.2343, 0.3594, 0.3001



85.2974, 0.3232, 0.3212



54.2150, 0.2945, 0.2454



17.7842, 0.3251, 0.3199



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.



56.2343, 0.3594, 0.3001



49.5539, 0.3735, 0.2938



59.8974, 0.3808, 0.3418



18.0920, 0.3239, 0.3207



11.5131, 0.5584, 0.2850



1.1407, 0.5268, 0.2676

Inverse Universe

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



56.2343, 0.3594, 0.3001



49.5539, 0.3735, 0.2938



80.4266, 0.2661, 0.3157



18.0920, 0.3239, 0.3207



11.5131, 0.5584, 0.2850



1.1407, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 56.2317, 0.3594, 0.3001 looks on a white background.

Color Contrast Check

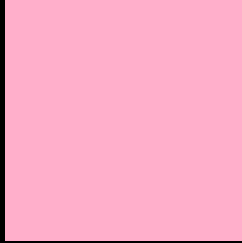
Large Text (above 18pt) WCAG AA × Fail

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 56.2317, 0.3594, 0.3001 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 56.2317, 0.3594, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 56.2317, 0.3594, 0.3001.



This preview shows how white text looks on a background with the Yxy color 56.2317, 0.3594, 0.3001.

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

56.2317, 0.3594, 0.3001

Protanopia

56.6261, 0.2984, 0.3065

Deuteranopia

56.4683, 0.3262, 0.3198



Tritanopia

56.2767, 0.3688, 0.3145

Trichromacy



Original Color

56.2317, 0.3594, 0.3001



Protanomaly

55.8501, 0.3188, 0.3040



Deuteranomaly

56.1579, 0.3378, 0.3124



Tritanomaly

56.0616, 0.3655, 0.3093

Monochromacy



Original Color

56.2317, 0.3594, 0.3001



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.3357, 0.3287, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2317, 0.3594, 0.3001 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 203) }
```

Border

The CSS property to change the border of an element to Yxy 56.2317, 0.3594, 0.3001 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, 203) }
```

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

```
.border{ border-color:rgb(255, 175, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2317, 0.3594, 0.3001 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
175, 203) }
```

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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