

Converting Colors

$Y_{xy}(66.7773, 0.3965, 0.3014)$

Have a look what the booklet for
Yxy(66.7773, 0.3965, 0.3014)
contains.

Yxy(56.3762, 0.3568, 0.2970)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3762, 0.3568, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	FFAFCE
RGB	255, 175, 206
RGB Percent	100%, 69%, 81%
CMY	0.0000, 0.3138, 0.1921
CMYK	0.00, 0.31, 0.19, 0.00
HSL	337°, 100%, 84%
HSV	337°, 31%, 100%
XYZ	67.7274, 56.3762, 65.7153
YIQ	202.4540, 37.7290, 26.6010

Conversions

Conversions Part 2

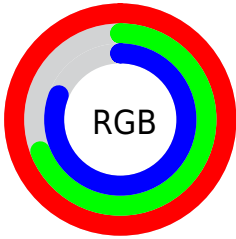
Format	Color
R _Y B	255, 175, 206
Decimal	16756686
CIE Lab	79.83, 33.54, -3.80
CIE LCh	80, 33.758, 353.540
Yxy	56.3762, 0.3568, 0.2970
Android (android.graphics.Color)	4294946766 (0xFFFFAFCE)
YUV	202.4540, 1.7482, 46.0828
Hunter-Lab	75.0841, 29.6135, 0.6669

Details

The Yxy color **56.3762, 0.3568, 0.2970** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.0109, 0.2828, 0.3637**, and the grayscale version is **59.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **28.0564, 0.3677, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **46.6418, 0.3773, 0.2866**, and if you desaturate by 10%, it is **68.0438, 0.3397, 0.3076**.

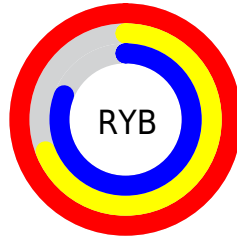
Distribution



Red (100%)

Green (69%)

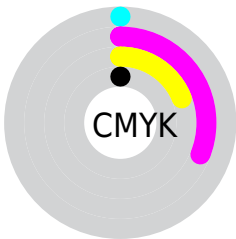
Blue (81%)



Red (100%)

Yellow (69%)

Blue (81%)

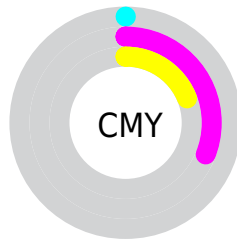


Cyan (0%)

Magenta (31%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3762, 0.3568, 0.2970 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 56.3762, 0.3568, 0.2970 by changing the saturation by 10% instead.


 56.3762, 0.3568,
0.2970

 56.3762, 0.3568,
0.2970

411.1077, 0.3356,
0.3122

 40.5046, 0.3618,
0.2934

 99.5544, 0.3493,
0.3024

 27.9322, 0.3682,
0.2890


127.6298, 0.3464,
0.3044

 18.2746, 0.3764,
0.2832


160.5420, 0.3440,
0.3062

 11.1473, 0.3874,
0.2756

198.6753, 0.3418,
0.3077

 6.1660, 0.4031,
0.2649

242.4141, 0.3400,
0.3090

 2.9463, 0.4268,
0.2490

292.1429, 0.3384,

 1.1037, 0.4669,

0.3102

0.2229

348.2459, 0.3369,
0.3113

0.0000, 0.7659,
0.0000

0.0000, 0.0000,
0.0000

56.3762, 0.3568,
0.2970

56.3762, 0.3568,
0.2970

46.6418, 0.3773,
0.2866

68.0438, 0.3397,
0.3076

38.7569, 0.4015,
0.2770

81.7685, 0.3256,
0.3179

32.5948, 0.4293,
0.2695

97.6347, 0.3141,
0.3277

28.0230, 0.4600,
0.2651

100.0000, 0.3127,
0.3290

■ 24.8892, 0.4920,
0.2652

■ 23.0110, 0.5231,
0.2707

■ 22.1592, 0.5476,
0.2790

Harmonies

Analogous

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



56.3762, 0.3121, 0.2713



56.3762, 0.3568, 0.2970



56.3762, 0.3904, 0.3307

Triad

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



56.3762, 0.3568, 0.2970



56.3762, 0.3519, 0.4090



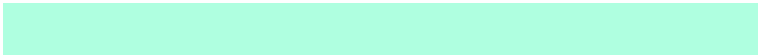
56.3762, 0.2314, 0.2827

Complementary

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



56.3762, 0.3568, 0.2970



86.0109, 0.2828, 0.3637

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.



56.3762, 0.2404, 0.3195



56.3762, 0.3568, 0.2970



56.3762, 0.3084, 0.3978

Square

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



56.3762, 0.3568, 0.2970



56.3762, 0.3864, 0.3956



56.3762, 0.2678, 0.3633



56.3762, 0.2420, 0.2618

Rectangle

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



56.3762, 0.3568, 0.2970



56.3762, 0.4005, 0.3546



56.3762, 0.2678, 0.3633



56.3762, 0.2322, 0.2935

Sweetspot

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



56.3682, 0.3568, 0.2970



85.3494, 0.3227, 0.3203



53.5576, 0.2914, 0.2446



17.7969, 0.3245, 0.3189



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.



56.3682, 0.3568, 0.2970



49.7192, 0.3699, 0.2900



58.2127, 0.3822, 0.3376



18.1037, 0.3233, 0.3198



11.6057, 0.5433, 0.2767



1.1506, 0.5128, 0.2598

Inverse Universe

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



56.3682, 0.3568, 0.2970



49.7192, 0.3699, 0.2900



82.8514, 0.2666, 0.3201



18.1037, 0.3233, 0.3198



11.6057, 0.5433, 0.2767



1.1506, 0.5128, 0.2598

Previews

White Background



This preview shows how the Yxy color 56.3762, 0.3568, 0.2970 looks on a white background.

Color Contrast Check

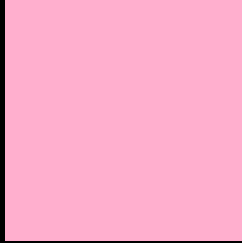
Large Text (above 18pt) WCAG AA × Fail

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 56.3762, 0.3568, 0.2970 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 56.3762, 0.3568, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 56.3762, 0.3568, 0.2970.



This preview shows how white text looks on a background with the Yxy color 56.3762, 0.3568, 0.2970.

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

56.3762, 0.3568, 0.2970

Protanopia

56.7827, 0.2963, 0.3031

Deuteranopia

56.4581, 0.3230, 0.3163



Tritanopia

56.4850, 0.3677, 0.3155

Trichromacy



Original Color

56.3762, 0.3568, 0.2970



Protanomaly

56.0019, 0.3165, 0.3006



Deuteranomaly

56.3004, 0.3354, 0.3091



Tritanomaly

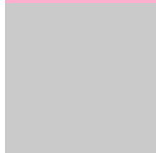
56.5006, 0.3643, 0.3093

Monochromacy



Original Color

56.3762, 0.3568, 0.2970



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.3832, 0.3279, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3762, 0.3568, 0.2970 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 206) }
```

Border

The CSS property to change the border of an element to Yxy 56.3762, 0.3568, 0.2970 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, 206) }
```

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

```
.border{ border-color:rgb(255, 175, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3762, 0.3568, 0.2970 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
175, 206) }
```

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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