

Converting Colors

$Y_{xy}(90.5984, 0.3557, 0.2290)$

Have a look what the booklet for
Yxy(90.5984, 0.3557, 0.2290)
contains.

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Color

Yxy(57.2295, 0.3166, 0.2460)

Conversions

Conversions Part 1	
Format	Color
Hex	FFAAFF
RGB	255, 170, 255
RGB Percent	100%, 67%, 100%
CMY	0.0001, 0.3332, 0.0001
CMYK	0.00, 0.33, 0.00, 0.00
HSL	300°, 100%, 83%
HSV	300°, 33%, 100%
XYZ	73.6539, 57.2295, 101.7568
YIQ	205.1050, 23.3750, 44.4550

Conversions

Conversions Part 2

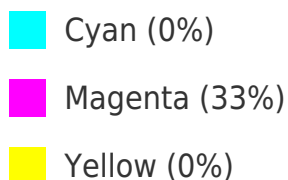
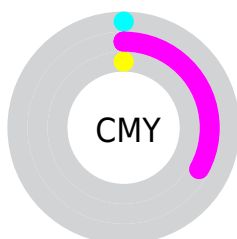
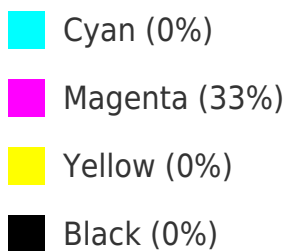
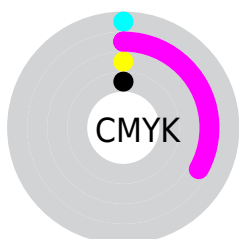
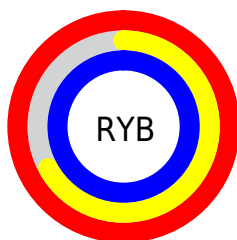
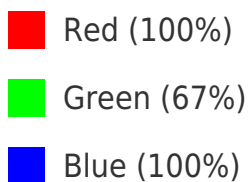
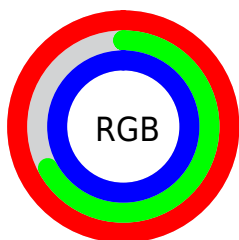
Format	Color
RYB	255, 170, 255
Decimal	16755455
CIELab	80.31, 44.13, -29.49
CIELCh	80, 53.079, 326.251
Yxy	57.2295, 0.3166, 0.2460
Android (android.graphics.Color)	4294945535 (0xFFFFAAFF)
YUV	205.1050, 24.5982, 43.7579
Hunter-Lab	75.6502, 41.4019, -26.7957

Details

The Yxy color **57.2295, 0.3166, 0.2460** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.9624, 0.3080, 0.4288**, and the grayscale version is **60.9518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **28.4383, 0.3164, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **48.5790, 0.3177, 0.2226**, and if you desaturate by 10%, it is **67.7390, 0.3154, 0.2708**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2295, 0.3166, 0.2460 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 57.2295, 0.3166, 0.2460 by changing the saturation by 10% instead.


 57.2295, 0.3166,
0.2460

 57.2295, 0.3166,
0.2460


414.3087, 0.3159,
0.2830

 41.1895, 0.3165,
0.2379


 100.8000, 0.3165,
0.2586

 28.4672, 0.3163,
0.2281


129.0993, 0.3165,
0.2635

 18.6781, 0.3158,
0.2160


162.2538, 0.3164,
0.2679

 11.4379, 0.3149,
0.2007

200.6480, 0.3163,
0.2716

 6.3622, 0.3132,
0.1810

244.6661, 0.3162,
0.2750

 3.0666, 0.3096,
0.1546


294.6927, 0.3161,


 1.1666, 0.3019,

0.2780

0.1185

351.1121, 0.3160,
0.2806


 0.0342, 0.3018,
0.0090

 0.0000, 0.0606,
0.0000


 57.2295, 0.3166,
0.2460


 57.2295, 0.3166,
0.2460


 48.5790, 0.3177,
0.2226


 67.7390, 0.3154,
0.2708

 41.6723, 0.3187,
0.2016


 80.1988, 0.3143,
0.2960


 36.3932, 0.3195,
0.1839

 94.7035, 0.3131,
0.3209

 32.6086, 0.3201,
0.1702

99.9961, 0.3127,
0.3290

 30.1638, 0.3206, 99.9968, 0.3127,
0.1609 0.3290

 28.8711, 0.3208, 99.9975, 0.3127,
0.1557 0.3290

 28.4686, 0.3209, 99.9982, 0.3127,
0.1541 0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



57.2295, 0.2525, 0.2252



57.2295, 0.3166, 0.2460



57.2295, 0.3870, 0.2840

Triad

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



57.2295, 0.3166, 0.2460



57.2295, 0.4203, 0.4313



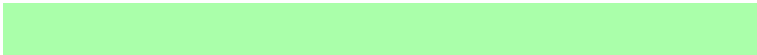
57.2295, 0.2012, 0.3050

Complementary

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



57.2295, 0.3166, 0.2460



82.9624, 0.3080, 0.4288

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.



57.2295, 0.2379, 0.3769



57.2295, 0.3166, 0.2460



57.2295, 0.3639, 0.4559

Square

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



57.2295, 0.3166, 0.2460



57.2295, 0.4494, 0.3848



57.2295, 0.2970, 0.4378



57.2295, 0.1919, 0.2519

Rectangle

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



57.2295, 0.3166, 0.2460



57.2295, 0.4247, 0.3157



57.2295, 0.2970, 0.4378



57.2295, 0.2104, 0.3279

Sweetspot

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



57.2320, 0.3166, 0.2460



84.7950, 0.3139, 0.3044



45.0603, 0.2527, 0.2310



17.7282, 0.3140, 0.3008



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.



57.2320, 0.3166, 0.2460



51.2597, 0.3173, 0.2302



54.8664, 0.3506, 0.2840



18.3003, 0.3138, 0.3056



14.8778, 0.3209, 0.1541



1.4486, 0.3209, 0.1541

Inverse Universe

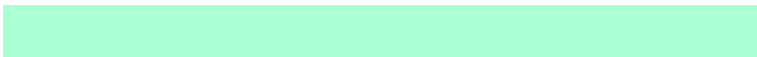
The Inverse Universe completely reimagines the original color for something new.



52.9191, 0.3911, 0.3292



46.3429, 0.4148, 0.3293



84.7654, 0.2868, 0.3792



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 57.2295, 0.3166, 0.2460 looks on a white background.

Color Contrast Check

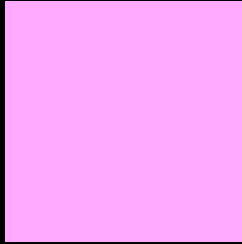
Large Text (above 18pt) WCAG AA × Fail

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 57.2295, 0.3166, 0.2460 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 57.2295, 0.3166, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 57.2295, 0.3166, 0.2460.



This preview shows how white text looks on a background with the Yxy color 57.2295, 0.3166, 0.2460.

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

57.2295, 0.3166, 0.2460

Protanopia

57.7985, 0.2655, 0.2645

Deuteranopia

57.7194, 0.2741, 0.2682






Tritanopia

57.2156, 0.3572, 0.3142

Trichromacy

	Original Color 57.2295, 0.3166, 0.2460
	Protanomaly 56.8881, 0.2823, 0.2565
	Deuteranomaly 57.1679, 0.2886, 0.2591
	Tritanomaly 57.1745, 0.3425, 0.2885

Monochromacy

	Original Color 57.2295, 0.3166, 0.2460
	Achromatopsia 61.0496, 0.3127, 0.3290
	Achromatomaly 58.7150, 0.3143, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2295, 0.3166, 0.2460 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, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 255)  
}
```

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, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.2295, 0.3166, 0.2460 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, 170, 255) }
```

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

```
.border{ border-color:rgb(255, 170, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2295, 0.3166, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 255) }
```

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

```
.background{ background-color: rgb(255,  
170, 255) }
```

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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