

Converting Colors

$Y_{xy}(100.0000, 0.3560, 0.3165)$

Have a look what the booklet for
Yxy(100.0000, 0.3560, 0.3165)
contains.

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Color

Yxy(87.5788, 0.3167, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBFA
RGB	255, 235, 250
RGB Percent	100%, 92%, 98%
CMY	0.0002, 0.0783, 0.0196
CMYK	0.00, 0.08, 0.02, 0.00
HSL	315°, 100%, 96%
HSV	315°, 8%, 100%
XYZ	88.1914, 87.5788, 102.6997
YIQ	242.6900, 7.1050, 8.9050

Conversions

Conversions Part 2

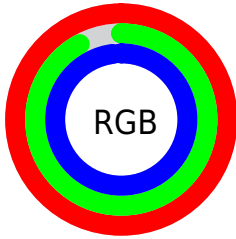
Format	Color
R _Y B	255, 235, 250
Decimal	16772090
CIE Lab	94.98, 9.30, -4.79
CIE LCh	95, 10.462, 332.754
Yxy	87.5788, 0.3167, 0.3145
Android (android.graphics.Color)	4294962170 (0xFFFFE9FA)
YUV	242.6900, 3.6038, 10.7959
Hunter-Lab	93.5835, 4.4440, 0.4429

Details

The Yxy color 87.5788, 0.3167, 0.3145 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.4475, 0.3090, 0.3439, and the grayscale version is 89.3339, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.1410, 0.3170, 0.3105 is the 20% darker color. If you saturate the color by 10%, you get 73.6223, 0.3226, 0.2953, and if you desaturate by 10%, it is 99.9917, 0.3127, 0.3290.

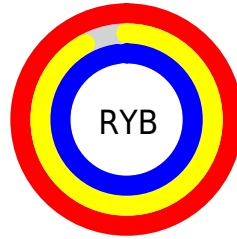
Distribution



Red (100%)

Green (92%)

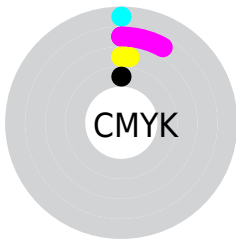
Blue (98%)



Red (100%)

Yellow (92%)

Blue (98%)

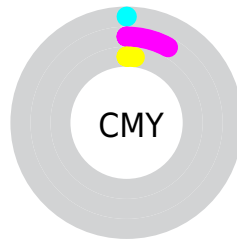


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5788, 0.3167, 0.3145 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 87.5788, 0.3167, 0.3145 by changing the saturation by 10% instead.


 87.5788, 0.3167,
0.3145

 87.5788, 0.3167,
0.3145


520.1229, 0.3150,
0.3209

 65.9743, 0.3171,
0.3131


143.9706, 0.3161,
0.3167

 48.2515, 0.3175,
0.3114


179.5267, 0.3159,
0.3175

 34.0261, 0.3181,
0.3093


220.5021, 0.3157,
0.3183

 22.9137, 0.3188,
0.3066

267.2813, 0.3155,
0.3189

 14.5298, 0.3197,
0.3031

320.2485, 0.3153,
0.3195

 8.4900, 0.3210,
0.2982

379.7883, 0.3152,

 4.4101, 0.3228,

0.3200

0.2912

446.2850, 0.3151,
0.3205

■ 1.9055, 0.3257,
0.2800

■ 0.5517, 0.3357,
0.2464

■ 87.5788, 0.3167,
0.3145

■ 87.5788, 0.3167,
0.3145

■ 73.6223, 0.3226,
0.2953

99.9917, 0.3127,
0.3290

■ 61.6789, 0.3294,
0.2756

■ 51.6574, 0.3371,
0.2562

■ 43.4551, 0.3458,
0.2379

■ 36.9598, 0.3552,
0.2216

■ 32.0465, 0.3652,
0.2085

■ 28.5734, 0.3755,
0.1995

■ 26.3731, 0.3856,
0.1953

■ 25.2221, 0.3954,
0.1959

Harmonies

Analogous

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



87.5788, 0.3048, 0.3095



87.5788, 0.3167, 0.3145



87.5788, 0.3277, 0.3232

Triad

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



87.5788, 0.3167, 0.3145



87.5788, 0.3304, 0.3487



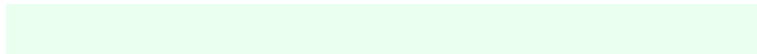
87.5788, 0.2912, 0.3239

Complementary

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



87.5788, 0.3167, 0.3145



95.4475, 0.3090, 0.3439

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.



87.5788, 0.2978, 0.3348



87.5788, 0.3167, 0.3145



87.5788, 0.3204, 0.3493

Square

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



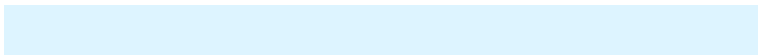
87.5788, 0.3167, 0.3145



87.5788, 0.3357, 0.3428



87.5788, 0.3084, 0.3442



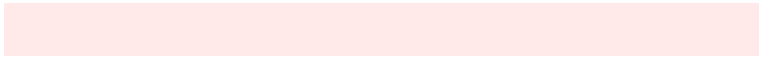
87.5788, 0.2902, 0.3147

Rectangle

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



87.5788, 0.3167, 0.3145



87.5788, 0.3330, 0.3300



87.5788, 0.3084, 0.3442



87.5788, 0.2928, 0.3275

Sweetspot

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



87.5826, 0.3167, 0.3145



96.7077, 0.3137, 0.3253



85.1138, 0.3036, 0.3092



20.7339, 0.3136, 0.3255



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.



87.5826, 0.3167, 0.3145



85.8595, 0.3173, 0.3123



86.9916, 0.3228, 0.3238



18.2187, 0.3176, 0.3113



13.1142, 0.3959, 0.1955



1.2943, 0.3855, 0.1897

Inverse Universe

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



87.5826, 0.3167, 0.3145



85.8595, 0.3173, 0.3123



96.0374, 0.3035, 0.3342



18.2187, 0.3176, 0.3113



13.1142, 0.3959, 0.1955



1.2943, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 87.5788, 0.3167, 0.3145 looks on a white background.

Color Contrast Check

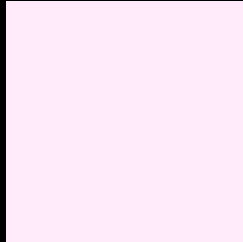
Large Text (above 18pt) WCAG AA × Fail

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 87.5788, 0.3167, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

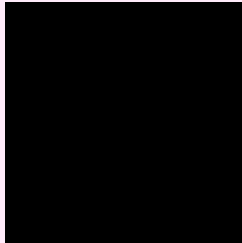
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5788, 0.3167, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 87.5788, 0.3167, 0.3145.



This preview shows how white text looks on a background with the Yxy color 87.5788, 0.3167, 0.3145.

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

87.5788, 0.3167, 0.3145

Protanopia

87.5256, 0.3056, 0.3151

Deuteranopia

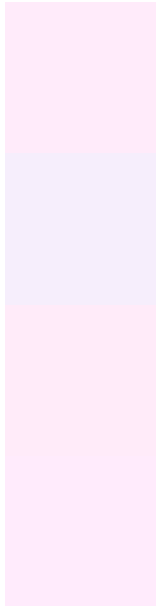
87.4540, 0.3180, 0.3164



Tritanopia

87.7685, 0.3149, 0.3116

Trichromacy



Original Color

87.5788, 0.3167, 0.3145

Protanomaly

87.7702, 0.3094, 0.3152

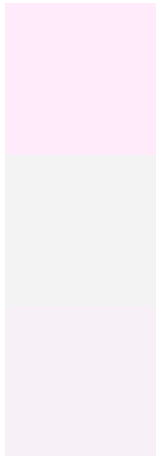
Deuteranomaly

87.5162, 0.3174, 0.3154

Tritanomaly

87.7049, 0.3155, 0.3126

Monochromacy



Original Color

87.5788, 0.3167, 0.3145

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

88.7482, 0.3136, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5788, 0.3167, 0.3145 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, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 250)  
}
```

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, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.5788, 0.3167, 0.3145 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, 235, 250) }
```

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

```
.border{ border-color:rgb(255, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5788, 0.3167, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 250) }
```

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

```
.background{ background-color: rgb(255,  
235, 250) }
```

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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