

Converting Colors

$Y_{xy}(35.7531, 0.3861, 0.2980)$

Have a look what the booklet for
Yxy(35.7531, 0.3861, 0.2980)
contains.

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Color

Yxy(35.7570, 0.3862, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	E286A0
RGB	226, 134, 160
RGB Percent	89%, 53%, 63%
CMY	0.1138, 0.4745, 0.3726
CMYK	0.00, 0.41, 0.29, 0.11
HSL	343°, 61%, 71%
HSV	343°, 41%, 89%
XYZ	46.2315, 35.7570, 37.7202
YIQ	164.4720, 46.4860, 27.5900

Conversions

Conversions Part 2

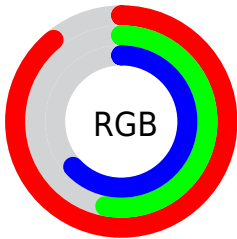
Format	Color
R_{YB}	226, 134, 160
Decimal	14845600
CIE _{Lab}	66.33, 38.33, 1.49
CIE _{LCh}	66, 38.363, 2.226
Yxy	35.7570, 0.3862, 0.2987
Android (android.graphics.Color)	4293035680 (0xFFE286A0)
YUV	164.4720, -2.2047, 53.9601
Hunter-Lab	59.7972, 33.3603, 4.4577

Details

The Yxy color **35.7570, 0.3862, 0.2987** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.6272, 0.2704, 0.3625**, and the grayscale version is **37.3564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5615, 0.3466, 0.3024**, and **15.4635, 0.4084, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **29.6334, 0.4147, 0.2918**, and if you desaturate by 10%, it is **43.2928, 0.3623, 0.3063**.

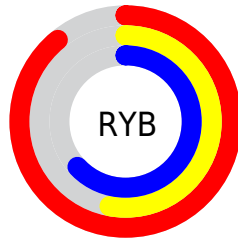
Distribution



Red (89%)

Green (53%)

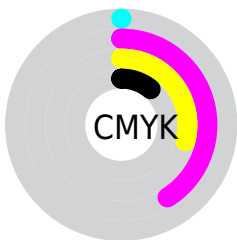
Blue (63%)



Red (89%)

Yellow (53%)

Blue (63%)

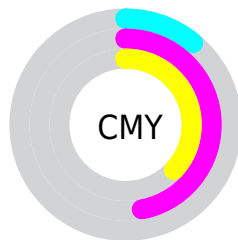


Cyan (0%)

Magenta (41%)

Yellow (29%)

Black (11%)



Cyan (11%)


Magenta (47%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7570, 0.3862, 0.2987 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 35.7570, 0.3862, 0.2987 by changing the saturation by 10% instead.


 35.7570, 0.3862,
0.2987


 35.7570, 0.3862,
0.2987


327.8972, 0.3478,
0.3147

 24.2466, 0.3963,
0.2944


 68.6568, 0.3719,
0.3047

 15.5166, 0.4096,
0.2888


 90.8150, 0.3666,
0.3069

 9.1828, 0.4278,
0.2811


 117.2913, 0.3622,
0.3087

 4.8606, 0.4542,
0.2697

148.4700, 0.3585,
0.3103

 2.1657, 0.4958,
0.2516

184.7356, 0.3552,
0.3116

 0.7012, 0.5768,
0.2181

226.4723, 0.3524,

 0.0000, 1.0000,

0.3128

0.0000

274.0648, 0.3500,
0.3138

0.0000, 0.0000,
0.0000

35.7570, 0.3862,
0.2987

35.7570, 0.3862,
0.2987

29.6334, 0.4147,
0.2918

43.2928, 0.3623,
0.3063

24.8282, 0.4477,
0.2866

52.3165, 0.3426,
0.3140

21.2442, 0.4842,
0.2841


62.9046, 0.3266,
0.3215


18.7688, 0.5219,
0.2854

75.1268, 0.3135,
0.3285

17.2675, 0.5573,
0.2913

89.0485, 0.3029,
0.3350

 16.5355, 0.5855,
0.2999

 94.9071, 0.2952,
0.3289

Harmonies

Analogous

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



35.7570, 0.3286, 0.2629



35.7570, 0.3862, 0.2987



35.7570, 0.4234, 0.3426

Triad

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



35.7570, 0.3862, 0.2987



35.7570, 0.3466, 0.4357



35.7570, 0.2095, 0.2574

Complementary

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



35.7570, 0.3862, 0.2987



63.6272, 0.2704, 0.3625

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.



35.7570, 0.2132, 0.2991



35.7570, 0.3862, 0.2987



35.7570, 0.2893, 0.4115

Square

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



35.7570, 0.3862, 0.2987



35.7570, 0.3973, 0.4234



35.7570, 0.2411, 0.3574



35.7570, 0.2295, 0.2385

Rectangle

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



35.7570, 0.3862, 0.2987



35.7570, 0.4296, 0.3729



35.7570, 0.2411, 0.3574



35.7570, 0.2080, 0.2688

Sweetspot

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



35.7587, 0.3862, 0.2987



80.6723, 0.3286, 0.3205



34.8138, 0.2931, 0.2216



16.8577, 0.3306, 0.3195



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.



35.7587, 0.3862, 0.2987



39.9678, 0.4105, 0.2927



40.9805, 0.4064, 0.3528



13.7639, 0.3248, 0.3224



9.4520, 0.5815, 0.2977



0.6702, 0.5373, 0.2733

Inverse Universe

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



35.7587, 0.3862, 0.2987



39.9678, 0.4105, 0.2927



54.7321, 0.2529, 0.3033



13.7639, 0.3248, 0.3224



9.4520, 0.5815, 0.2977



0.6702, 0.5373, 0.2733

Previews

White Background



This preview shows how the Yxy color 35.7570, 0.3862, 0.2987 looks on a white background.

Color Contrast Check

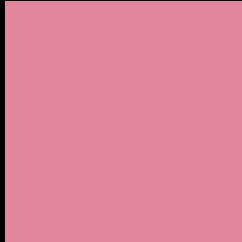
Large Text (above 18pt) WCAG AA × Fail

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 35.7570, 0.3862, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

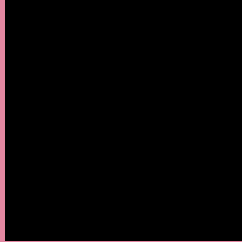
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7570, 0.3862, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 35.7570, 0.3862, 0.2987.



This preview shows how white text looks on a background with the Yxy color 35.7570, 0.3862, 0.2987.

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

35.7570, 0.3862, 0.2987

Protanopia

36.2014, 0.2998, 0.3076

Deuteranopia

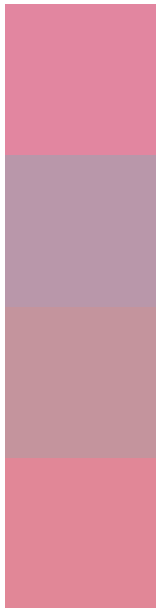
35.7609, 0.3357, 0.3291



Tritanopia

35.6912, 0.4006, 0.3174

Trichromacy



Original Color

35.7570, 0.3862, 0.2987

Protanomaly

35.3498, 0.3290, 0.3034

Deuteranomaly

35.3499, 0.3539, 0.3172

Tritanomaly

35.5699, 0.3952, 0.3103

Monochromacy



Original Color

35.7570, 0.3862, 0.2987

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.9916, 0.3375, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7570, 0.3862, 0.2987 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(226, 134, 160)` looks like.

```
.text, #text, p{  
    color:rgb(226, 134, 160)  
}
```

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(226, 134, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 134, 160) }
```

Border

The CSS property to change the border of an element to Yxy 35.7570, 0.3862, 0.2987 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(226, 134, 160) }
```

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

```
.border{ border-color:rgb(226, 134, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 134, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 134, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 134, 160);  
box-shadow:4px 4px 4px 4px rgb(226, 134,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7570, 0.3862, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 134, 160) }
```

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

```
.background{ background-color: rgb(226,  
134, 160) }
```

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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