

Converting Colors

$Y_{xy}(35.0797, 0.3768, 0.2777)$

Have a look what the booklet for
Yxy(35.0797, 0.3768, 0.2777)
contains.

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Color

Yxy(35.1135, 0.3761, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	E580AD
RGB	229, 128, 173
RGB Percent	90%, 50%, 68%
CMY	0.1020, 0.4980, 0.3216
CMYK	0.00, 0.44, 0.24, 0.10
HSL	333°, 66%, 70%
HSV	333°, 44%, 90%
XYZ	47.5727, 35.1135, 43.8033
YIQ	163.3290, 45.7510, 35.4070

Conversions

Conversions Part 2

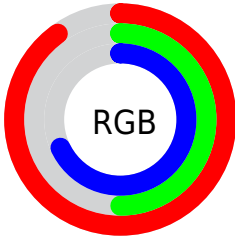
Format	Color
R _Y B	229, 128, 173
Decimal	15040685
CIE Lab	65.84, 44.24, -6.54
CIE LCh	66, 44.723, 351.585
Yxy	35.1135, 0.3761, 0.2776
Android (android.graphics.Color)	4293230765 (0xFFE580AD)
YUV	163.3290, 4.7678, 57.5935
Hunter-Lab	59.2566, 39.6051, -2.3483

Details

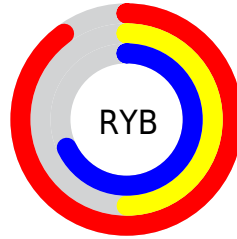
The Yxy color **35.1135, 0.3761, 0.2776** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **64.0852, 0.2762, 0.3884**, and the grayscale version is **36.7517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7284, 0.3369, 0.2835**, and **15.0706, 0.3950, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **29.3314, 0.3983, 0.2671**, and if you desaturate by 10%, it is **42.2936, 0.3570, 0.2893**.

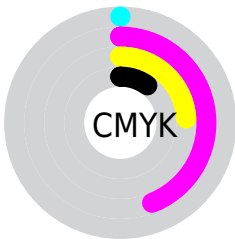
Distribution



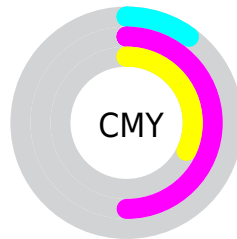
- Red (90%)
- Green (50%)
- Blue (68%)



- Red (90%)
- Yellow (50%)
- Blue (68%)



- Cyan (0%)
- Magenta (44%)
- Yellow (24%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1135, 0.3761, 0.2776 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 35.1135, 0.3761, 0.2776 by changing the saturation by 10% instead.


 35.1135, 0.3761,
0.2776


 35.1135, 0.3761,
0.2776


325.0690, 0.3434,
0.3036

 23.7503, 0.3846,
0.2710


 67.6616, 0.3640,
0.2871

 15.1485, 0.3956,
0.2626


 89.6152, 0.3595,
0.2907

 8.9237, 0.4106,
0.2512


 115.8678, 0.3558,
0.2937

 4.6914, 0.4321,
0.2354

146.8038, 0.3526,
0.2962

 2.0674, 0.4652,
0.2117

182.8075, 0.3498,
0.2984

 0.6462, 0.5252,
0.1685

224.2634, 0.3474,


 0.0000, 1.0000,


0.3004


0.0000


271.5557, 0.3453,
0.3021


 0.0000, 0.0000,
0.0000


 35.1135, 0.3761,
0.2776


 35.1135, 0.3761,
0.2776


 29.3314, 0.3983,
0.2671


 42.2936, 0.3570,
0.2893


 24.8490, 0.4235,
0.2588


 50.9510, 0.3410,
0.3014

 21.5636, 0.4509,
0.2541


 61.1652, 0.3277,
0.3132

 19.3539, 0.4792,
0.2542

 73.0084, 0.3166,
0.3246

 18.0729, 0.5067,
0.2598

 86.5483, 0.3076,
0.3352

 17.6162, 0.5222,
0.2650

 95.0277, 0.3002,
0.3348

 95.3966, 0.2970,
0.3290

Harmonies

Analogous

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



35.1135, 0.3058, 0.2421



35.1135, 0.3761, 0.2776



35.1135, 0.4313, 0.3248

Triad

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



35.1135, 0.3761, 0.2776



35.1135, 0.3734, 0.4534



35.1135, 0.1924, 0.2590

Complementary

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



35.1135, 0.3761, 0.2776



64.0852, 0.2762, 0.3884

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.



35.1135, 0.2059, 0.3156



35.1135, 0.3761, 0.2776



35.1135, 0.3075, 0.4428

Square

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



35.1135, 0.3761, 0.2776



35.1135, 0.4262, 0.4243



35.1135, 0.2464, 0.3876



35.1135, 0.2058, 0.2290

Rectangle

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



35.1135, 0.3761, 0.2776



35.1135, 0.4481, 0.3593



35.1135, 0.2464, 0.3876



35.1135, 0.1939, 0.2751

Sweetspot

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



35.1152, 0.3761, 0.2776



79.5150, 0.3264, 0.3144



31.2332, 0.2755, 0.2072



16.3521, 0.3291, 0.3118



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.



35.1152, 0.3761, 0.2776



37.9545, 0.3965, 0.2678



35.0073, 0.4271, 0.3352



14.4742, 0.3223, 0.3186



10.0963, 0.5184, 0.2629



0.7646, 0.4824, 0.2431

Inverse Universe

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



35.1152, 0.3761, 0.2776



37.9545, 0.3965, 0.2678



63.5273, 0.2522, 0.3225



14.4742, 0.3223, 0.3186



10.0963, 0.5184, 0.2629



0.7646, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 35.1135, 0.3761, 0.2776 looks on a white background.

Color Contrast Check

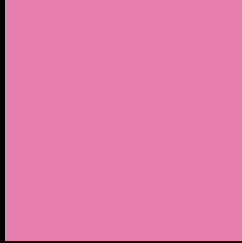
Large Text (above 18pt) WCAG AA × Fail

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 35.1135, 0.3761, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

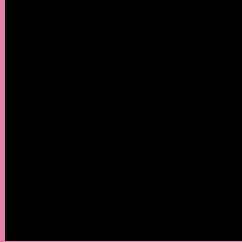
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1135, 0.3761, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 35.1135, 0.3761, 0.2776.



This preview shows how white text looks on a background with the Yxy color 35.1135, 0.3761, 0.2776.

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

35.1135, 0.3761, 0.2776

Protanopia

35.4188, 0.2790, 0.2811

Deuteranopia

35.3747, 0.3174, 0.3122



Tritanopia

35.2021, 0.4060, 0.3187

Trichromacy



Original Color

35.1135, 0.3761, 0.2776



Protanomaly

34.5487, 0.3102, 0.2783



Deuteranomaly

34.7975, 0.3379, 0.2974



Tritanomaly

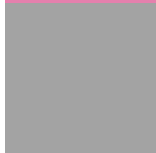
35.1665, 0.3949, 0.3035

Monochromacy



Original Color

35.1135, 0.3761, 0.2776



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.1675, 0.3341, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1135, 0.3761, 0.2776 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(229, 128, 173)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 173)  
}
```

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(229, 128, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 173) }
```

Border

The CSS property to change the border of an element to Yxy 35.1135, 0.3761, 0.2776 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(229, 128, 173) }
```

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

```
.border{ border-color:rgb(229, 128, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 128, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 128, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 128, 173);  
box-shadow:4px 4px 4px 4px rgb(229, 128,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1135, 0.3761, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 173) }
```

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

```
.background{ background-color: rgb(229,  
128, 173) }
```

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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