

Converting Colors

$Y_{xy}(35.7717, 0.3760, 0.2754)$

Have a look what the booklet for
Yxy(35.7717, 0.3760, 0.2754)
contains.

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Color

Yxy(35.7287, 0.3758, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	E880B0
RGB	232, 128, 176
RGB Percent	91%, 50%, 69%
CMY	0.0901, 0.4981, 0.3098
CMYK	0.00, 0.45, 0.24, 0.09
HSL	332°, 69%, 71%
HSV	332°, 45%, 91%
XYZ	48.8427, 35.7287, 45.3985
YIQ	164.5680, 46.5760, 36.9760

Conversions

Conversions Part 2

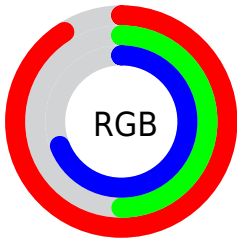
Format	Color
R _Y B	232, 128, 176
Decimal	15237296
CIE Lab	66.31, 45.70, -7.50
CIE LCh	66, 46.306, 350.684
Yxy	35.7287, 0.3758, 0.2749
Android (android.graphics.Color)	4293427376 (0xFFE880B0)
YUV	164.5680, 5.6360, 59.1379
Hunter-Lab	59.7735, 41.2539, -3.1898

Details

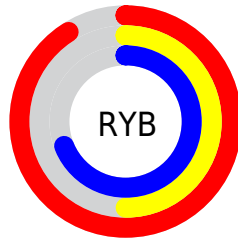
The Yxy color **35.7287, 0.3758, 0.2749** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.7813, 0.2766, 0.3920**, and the grayscale version is **37.3651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9532, 0.3337, 0.2796**, and **15.4861, 0.3941, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **29.8827, 0.3975, 0.2641**, and if you desaturate by 10%, it is **43.0075, 0.3571, 0.2870**.

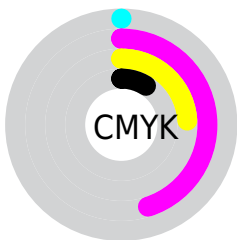
Distribution



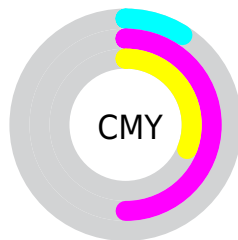
- Red (91%)
- Green (50%)
- Blue (69%)



- Red (91%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (45%)
- Yellow (24%)
- Black (9%)



- Cyan (9%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7287, 0.3758, 0.2749 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 35.7287, 0.3758, 0.2749 by changing the saturation by 10% instead.

 35.7287, 0.3758,
0.2749


 35.7287, 0.3758,
0.2749


327.7732, 0.3435,
0.3021


 24.2247, 0.3841,
0.2681


 68.6131, 0.3639,
0.2848

 15.5004, 0.3949,
0.2593


 90.7624, 0.3594,
0.2885

 9.1713, 0.4096,
0.2477


 117.2288, 0.3557,
0.2916

 4.8531, 0.4304,
0.2315

148.3969, 0.3525,
0.2943

 2.1613, 0.4622,
0.2076

184.6510, 0.3498,
0.2967

 0.6988, 0.5180,
0.1667

226.3754, 0.3474,

 0.0000, 0.9014,

0.2987

0.0000

273.9547, 0.3453,
0.3005

0.0000, 0.0000,
0.0000

35.7287, 0.3758,
0.2749

35.7287, 0.3758,
0.2749

29.8827, 0.3975,
0.2641

43.0075, 0.3571,
0.2870

25.3674, 0.4220,
0.2557

51.8016, 0.3413,
0.2995

22.0755, 0.4485,
0.2510


62.1933, 0.3282,
0.3118

19.8806, 0.4759,
0.2512

74.2576, 0.3173,
0.3235

18.6279, 0.5024,
0.2569

88.0646, 0.3083,
0.3346

 18.2248, 0.5155,
0.2614

 95.6447, 0.3010,
0.3330

 95.9014, 0.2988,
0.3290

Harmonies

Analogous

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



35.7287, 0.3033, 0.2391



35.7287, 0.3758, 0.2749



35.7287, 0.4336, 0.3229

Triad

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



35.7287, 0.3758, 0.2749



35.7287, 0.3767, 0.4566



35.7287, 0.1894, 0.2582

Complementary

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



35.7287, 0.3758, 0.2749



65.7813, 0.2766, 0.3920

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.



35.7287, 0.2039, 0.3171



35.7287, 0.3758, 0.2749



35.7287, 0.3091, 0.4476

Square

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



35.7287, 0.3758, 0.2749



35.7287, 0.4304, 0.4253



35.7287, 0.2461, 0.3916



35.7287, 0.2023, 0.2269

Rectangle

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



35.7287, 0.3758, 0.2749



35.7287, 0.4517, 0.3581



35.7287, 0.2461, 0.3916



35.7287, 0.1912, 0.2749

Sweetspot

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



35.7304, 0.3758, 0.2749



79.5461, 0.3261, 0.3139



31.3882, 0.2731, 0.2044



16.3597, 0.3287, 0.3112



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.



35.7304, 0.3758, 0.2749



37.3827, 0.3962, 0.2647



35.0739, 0.4311, 0.3333



14.4781, 0.3220, 0.3182



10.1392, 0.5117, 0.2592



0.7678, 0.4766, 0.2399

Inverse Universe

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



35.7304, 0.3758, 0.2749



37.3827, 0.3962, 0.2647



66.2144, 0.2518, 0.3245



14.4781, 0.3220, 0.3182



10.1392, 0.5117, 0.2592



0.7678, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 35.7287, 0.3758, 0.2749 looks on a white background.

Color Contrast Check

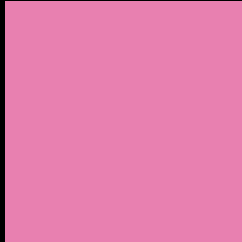
Large Text (above 18pt) WCAG AA × Fail

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 35.7287, 0.3758, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

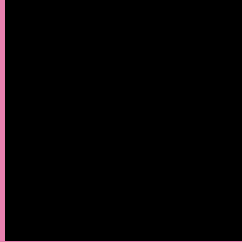
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7287, 0.3758, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 35.7287, 0.3758, 0.2749.



This preview shows how white text looks on a background with the Yxy color 35.7287, 0.3758, 0.2749.

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

35.7287, 0.3758, 0.2749

Protanopia

35.9451, 0.2761, 0.2773

Deuteranopia

35.9385, 0.3156, 0.3095



Tritanopia

35.7218, 0.4079, 0.3176

Trichromacy



Original Color

35.7287, 0.3758, 0.2749



Protanomaly

34.7990, 0.3084, 0.2747



Deuteranomaly

35.0442, 0.3359, 0.2937



Tritanomaly

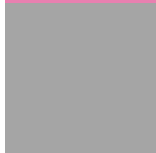
35.7258, 0.3957, 0.3015

Monochromacy



Original Color

35.7287, 0.3758, 0.2749



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.1399, 0.3338, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7287, 0.3758, 0.2749 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(232, 128, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 128, 176)  
}
```

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(232, 128, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 128, 176) }
```

Border

The CSS property to change the border of an element to Yxy 35.7287, 0.3758, 0.2749 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(232, 128, 176) }
```

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

```
.border{ border-color:rgb(232, 128, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 128, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 128, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 128, 176);  
box-shadow:4px 4px 4px 4px rgb(232, 128,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7287, 0.3758, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 128, 176) }
```

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

```
.background{ background-color: rgb(232,  
128, 176) }
```

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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