

Converting Colors

$Y_{xy}(35.3241, 0.3736, 0.2730)$

Have a look what the booklet for
Yxy(35.3241, 0.3736, 0.2730)
contains.

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Color

Yxy(35.3420, 0.3738, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	E77FB1
RGB	231, 127, 177
RGB Percent	91%, 50%, 69%
CMY	0.0941, 0.5019, 0.3058
CMYK	0.00, 0.45, 0.23, 0.09
HSL	331°, 68%, 70%
HSV	331°, 45%, 91%
XYZ	48.4801, 35.3420, 45.8733
YIQ	163.7960, 45.9340, 37.5980

Conversions

Conversions Part 2

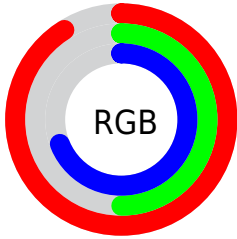
Format	Color
R_{YB}	231, 127, 177
Decimal	15171505
CIE _{Lab}	66.01, 45.99, -8.53
CIE _{LCh}	66, 46.771, 349.493
Yxy	35.3420, 0.3738, 0.2725
Android (android.graphics.Color)	4293361585 (0xFFE77FB1)
YUV	163.7960, 6.5096, 58.9379
Hunter-Lab	59.4491, 41.5289, -4.1361

Details

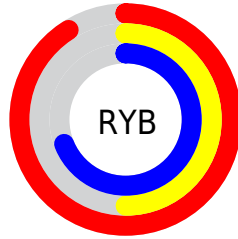
The Yxy color **35.3420, 0.3738, 0.2725** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.9957, 0.2776, 0.3951**, and the grayscale version is **36.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5991, 0.3330, 0.2777**, and **15.2370, 0.3930, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **29.5878, 0.3946, 0.2613**, and if you desaturate by 10%, it is **42.5092, 0.3558, 0.2850**.

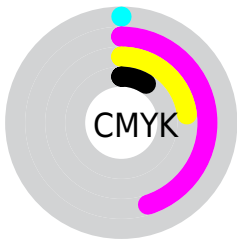
Distribution



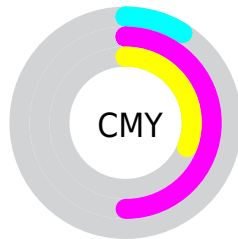
- Red (91%)
- Green (50%)
- Blue (69%)



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



- Cyan (0%)
- Magenta (45%)
- Yellow (23%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3420, 0.3738, 0.2725 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 35.3420, 0.3738, 0.2725 by changing the saturation by 10% instead.


 35.3420, 0.3738,
0.2725


 35.3420, 0.3738,
0.2725


326.0753, 0.3425,
0.3008

 23.9264, 0.3818,
0.2654


 68.0152, 0.3623,
0.2828

 15.2791, 0.3923,
0.2563


 90.0417, 0.3580,
0.2867

 9.0155, 0.4064,
0.2443


 116.3739, 0.3544,
0.2899

 4.7513, 0.4264,
0.2276

147.3963, 0.3513,
0.2927

 2.1021, 0.4571,
0.2029

183.4933, 0.3487,
0.2952

 0.6658, 0.5112,
0.1601

225.0492, 0.3463,

 0.0000, 0.8586,

0.2973

0.0000

272.4484, 0.3443,
0.2992

■ 0.0000, 0.0000,
0.0000

■ 35.3420, 0.3738,
0.2725

■ 35.3420, 0.3738,
0.2725

■ 29.5878, 0.3946,
0.2613

■ 42.5092, 0.3558,
0.2850

■ 25.1457, 0.4180,
0.2525

■ 51.1711, 0.3406,
0.2980

■ 21.9094, 0.4434,
0.2474


■ 61.4091, 0.3278,
0.3108

■ 19.7538, 0.4695,
0.2473

■ 73.2973, 0.3173,
0.3231

■ 18.5252, 0.4949,
0.2526

■ 86.9050, 0.3086,
0.3347

 18.1377, 0.5071,
0.2567

 95.3445, 0.3015,
0.3350

 95.7277, 0.2982,
0.3290

Harmonies

Analogous

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



35.3420, 0.3003, 0.2370



35.3420, 0.3738, 0.2725



35.3420, 0.4336, 0.3206

Triad

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



35.3420, 0.3738, 0.2725



35.3420, 0.3799, 0.4577



35.3420, 0.1880, 0.2591

Complementary

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



35.3420, 0.3738, 0.2725



64.9957, 0.2776, 0.3951

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.



35.3420, 0.2038, 0.3197



35.3420, 0.3738, 0.2725



35.3420, 0.3117, 0.4507

Square

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



35.3420, 0.3738, 0.2725



35.3420, 0.4334, 0.4245



35.3420, 0.2474, 0.3954



35.3420, 0.2000, 0.2264

Rectangle

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



35.3420, 0.3738, 0.2725



35.3420, 0.4530, 0.3561



35.3420, 0.2474, 0.3954



35.3420, 0.1901, 0.2763

Sweetspot

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



35.3437, 0.3738, 0.2725



78.1633, 0.3268, 0.3120



30.7414, 0.2714, 0.2034



16.0893, 0.3293, 0.3093



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.



35.3437, 0.3738, 0.2725



37.4937, 0.3930, 0.2620



34.1525, 0.4327, 0.3313



14.4829, 0.3217, 0.3177



10.1938, 0.5034, 0.2547



0.7720, 0.4698, 0.2361

Inverse Universe

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



35.3437, 0.3738, 0.2725



37.4937, 0.3930, 0.2620



66.4642, 0.2520, 0.3267



14.4829, 0.3217, 0.3177



10.1938, 0.5034, 0.2547



0.7720, 0.4698, 0.2361

Previews

White Background



This preview shows how the Yxy color 35.3420, 0.3738, 0.2725 looks on a white background.

Color Contrast Check

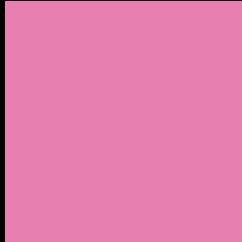
Large Text (above 18pt) WCAG AA × Fail

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 35.3420, 0.3738, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

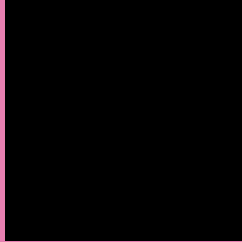
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3420, 0.3738, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 35.3420, 0.3738, 0.2725.



This preview shows how white text looks on a background with the Yxy color 35.3420, 0.3738, 0.2725.

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

35.3420, 0.3738, 0.2725

Protanopia

35.5489, 0.2744, 0.2745

Deuteranopia

35.4134, 0.3128, 0.3066



Tritanopia

35.2522, 0.4085, 0.3176

Trichromacy



Original Color

35.3420, 0.3738, 0.2725



Protanomaly

34.4089, 0.3066, 0.2720



Deuteranomaly

34.6442, 0.3340, 0.2910



Tritanomaly

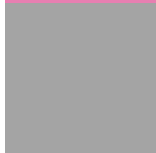
35.2572, 0.3962, 0.3014

Monochromacy



Original Color

35.3420, 0.3738, 0.2725



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.6892, 0.3330, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3420, 0.3738, 0.2725 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(231, 127, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 127, 177)  
}
```

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(231, 127, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 127, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.3420, 0.3738, 0.2725 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(231, 127, 177) }
```

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

```
.border{ border-color:rgb(231, 127, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 127, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 127, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 127, 177); box-shadow:4px 4px 4px 4px rgb(231, 127, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3420, 0.3738, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 127, 177) }
```

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

```
.background{ background-color: rgb(231,  
127, 177) }
```

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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