

Converting Colors

$Y_{xy}(34.8404, 0.3533, 0.2387)$

Have a look what the booklet for
Yxy(34.8404, 0.3533, 0.2387)
contains.

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Color

Yxy(34.7725, 0.3539, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	EC75C9
RGB	236, 117, 201
RGB Percent	93%, 46%, 79%
CMY	0.0743, 0.5413, 0.2117
CMYK	0.00, 0.50, 0.15, 0.07
HSL	318°, 76%, 69%
HSV	318°, 50%, 93%
XYZ	51.5110, 34.7725, 59.2690
YIQ	162.1570, 43.9600, 51.3520

Conversions

Conversions Part 2

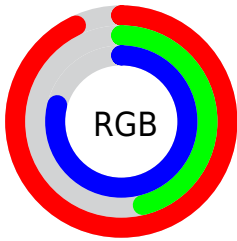
Format	Color
R _Y B	236, 117, 201
Decimal	15496649
CIE Lab	65.57, 56.05, -22.66
CIE LCh	66, 60.460, 337.989
Yxy	34.7725, 0.3539, 0.2389
Android (android.graphics.Color)	4293686729 (0xFFEC75C9)
YUV	162.1570, 19.1496, 64.7603
Hunter-Lab	58.9682, 52.7324, -18.3147

Details

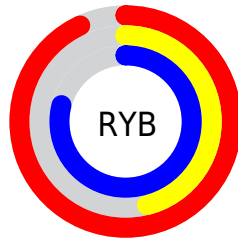
The Yxy color **34.7725, 0.3539, 0.2389** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **66.0678, 0.2881, 0.4426**, and the grayscale version is **36.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **15.0168, 0.3646, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **29.6323, 0.3654, 0.2242**, and if you desaturate by 10%, it is **41.3172, 0.3434, 0.2559**.

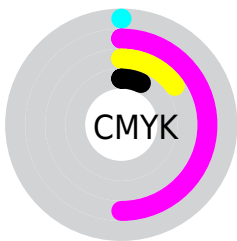
Distribution



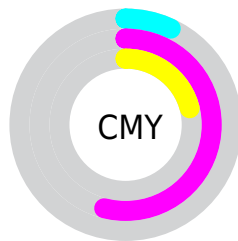
- Red (93%)
- Green (46%)
- Blue (79%)



- Red (93%)
- Yellow (46%)
- Blue (79%)



- Cyan (0%)
- Magenta (50%)
- Yellow (15%)
- Black (7%)




- Cyan (7%)
- Magenta (54%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7725, 0.3539, 0.2389 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 34.7725, 0.3539, 0.2389 by changing the saturation by 10% instead.


 34.7725, 0.3539,
0.2389

 34.7725, 0.3539,
0.2389

323.5630, 0.3341,
0.2823


 23.4877, 0.3586,
0.2286


 67.1332, 0.3469,
0.2543

 14.9540, 0.3644,
0.2158


 88.9778, 0.3442,
0.2602

 8.7871, 0.3719,
0.1993


 115.1112, 0.3419,
0.2652

 4.6026, 0.3818,
0.1775

145.9177, 0.3399,
0.2696

 2.0160, 0.3952,
0.1477

181.7818, 0.3382,
0.2734

 0.6168, 0.4159,
0.1019

223.0878, 0.3367,

 0.0000, 0.4619,

0.2767

0.0000

270.2200, 0.3353,
0.2797

■ 0.0000, 0.0000,
0.0000

■ 34.7725, 0.3539,
0.2389

■ 34.7725, 0.3539,
0.2389

■ 29.6323, 0.3654,
0.2242

■ 41.3172, 0.3434,
0.2559

■ 25.7851, 0.3776,
0.2127

■ 49.3569, 0.3341,
0.2740

■ 23.1107, 0.3902,
0.2056


■ 58.9803, 0.3259,
0.2925

■ 21.4635, 0.4026,
0.2034

■ 70.2677, 0.3189,
0.3107

■ 20.6179, 0.4141,
0.2055

■ 83.2940, 0.3130,
0.3282

 95.8140, 0.3081,
0.3412

 96.2408, 0.3042,
0.3343

 96.5820, 0.3012,
0.3290

Harmonies

Analogous

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



34.7725, 0.2624, 0.2042



34.7725, 0.3539, 0.2389



34.7725, 0.4443, 0.2917

Triad

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



34.7725, 0.3539, 0.2389



34.7725, 0.4229, 0.4784



34.7725, 0.1609, 0.2621

Complementary

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



34.7725, 0.3539, 0.2389



66.0678, 0.2881, 0.4426

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.



34.7725, 0.1912, 0.3523



34.7725, 0.3539, 0.2389



34.7725, 0.3407, 0.5015

Square

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



34.7725, 0.3539, 0.2389



34.7725, 0.4810, 0.4196



34.7725, 0.2557, 0.4530



34.7725, 0.1636, 0.2102

Rectangle

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



34.7725, 0.3539, 0.2389



34.7725, 0.4831, 0.3326



34.7725, 0.2557, 0.4530



34.7725, 0.1671, 0.2882

Sweetspot

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



34.7742, 0.3539, 0.2389



77.2733, 0.3220, 0.3024



25.3244, 0.2409, 0.1783



15.9366, 0.3235, 0.2986



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.



34.7742, 0.3539, 0.2389



34.8848, 0.3663, 0.2231



32.5321, 0.4243, 0.3007



15.2339, 0.3183, 0.3125



11.3829, 0.4122, 0.2045



0.9105, 0.3966, 0.1958

Inverse Universe

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



34.7742, 0.3539, 0.2389



34.8848, 0.3663, 0.2231



68.4666, 0.2590, 0.3618



15.2339, 0.3183, 0.3125



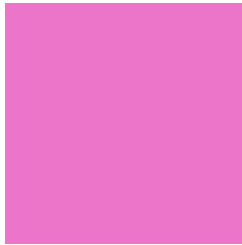
11.3829, 0.4122, 0.2045



0.9105, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 34.7725, 0.3539, 0.2389 looks on a white background.

Color Contrast Check

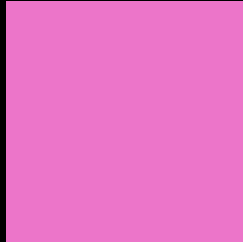
Large Text (above 18pt) WCAG AA × Fail

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 34.7725, 0.3539, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

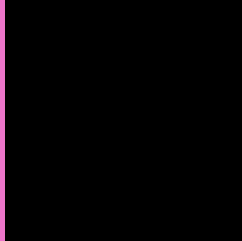
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7725, 0.3539, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 34.7725, 0.3539, 0.2389.



This preview shows how white text looks on a background with the Yxy color 34.7725, 0.3539, 0.2389.

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

34.7725, 0.3539, 0.2389

Protanopia

35.1177, 0.2407, 0.2307

Deuteranopia

34.9411, 0.2823, 0.2761



Tritanopia

34.6817, 0.4155, 0.3178

Trichromacy



Original Color

34.7725, 0.3539, 0.2389



Protanomaly

33.2840, 0.2733, 0.2296



Deuteranomaly

33.8163, 0.3052, 0.2580



Tritanomaly

34.4317, 0.3931, 0.2871

Monochromacy



Original Color

34.7725, 0.3539, 0.2389



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.5112, 0.3278, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7725, 0.3539, 0.2389 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(236, 117, 201)` looks like.

```
.text, #text, p{  
    color:rgb(236, 117, 201)  
}
```

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(236, 117, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 117, 201) }
```

Border

The CSS property to change the border of an element to Yxy 34.7725, 0.3539, 0.2389 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(236, 117, 201) }
```

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

```
.border{ border-color:rgb(236, 117, 201) }
```

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

Here you see how a box with a 4 pixel rgb(236, 117, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 117, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 117, 201);  
box-shadow:4px 4px 4px 4px rgb(236, 117,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7725, 0.3539, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 117, 201) }
```

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

```
.background{ background-color: rgb(236,  
117, 201) }
```

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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