

Converting Colors

$Y_{xy}(34.6503, 0.3382, 0.2344)$

Have a look what the booklet for
Yxy(34.6503, 0.3382, 0.2344)
contains.

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Color

Yxy(34.6737, 0.3388, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	E479CF
RGB	228, 121, 207
RGB Percent	89%, 47%, 81%
CMY	0.1059, 0.5255, 0.1882
CMYK	0.00, 0.47, 0.09, 0.11
HSL	312°, 66%, 68%
HSV	312°, 47%, 89%
XYZ	50.0957, 34.6737, 63.0928
YIQ	162.7970, 36.1660, 49.4300

Conversions

Conversions Part 2

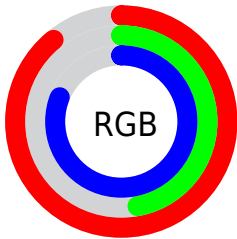
Format	Color
R_{YB}	228, 121, 207
Decimal	14973391
CIE _{Lab}	65.49, 52.62, -26.23
CIE _{LCh}	65, 58.795, 333.502
Yxy	34.6737, 0.3388, 0.2345
Android (android.graphics.Color)	4293163471 (0xFFE479CF)
YUV	162.7970, 21.7921, 57.1830
Hunter-Lab	58.8844, 48.8108, -22.3084

Details

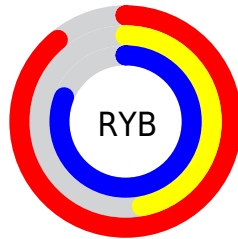
The Yxy color **34.6737, 0.3388, 0.2345** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.5043, 0.2950, 0.4478**, and the grayscale version is **36.4090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.8274, 0.3446, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **29.5575, 0.3461, 0.2172**, and if you desaturate by 10%, it is **41.1086, 0.3320, 0.2539**.

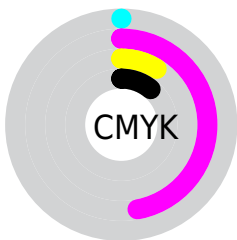
Distribution



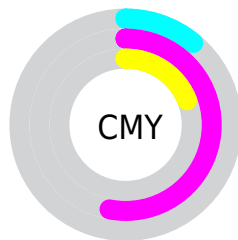
- Red (89%)
- Green (47%)
- Blue (81%)



- Red (89%)
- Yellow (47%)
- Blue (81%)



- Cyan (0%)
- Magenta (47%)
- Yellow (9%)
- Black (11%)





- Cyan (11%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6737, 0.3388, 0.2345 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 34.6737, 0.3388, 0.2345 by changing the saturation by 10% instead.

 34.6737, 0.3388,
0.2345


 34.6737, 0.3388,
0.2345

323.1257, 0.3269,
0.2799

 23.4116, 0.3414,
0.2238


 66.9800, 0.3348,
0.2505

 14.8977, 0.3445,
0.2105


 88.7930, 0.3332,
0.2567

 8.7477, 0.3483,
0.1936


 114.8917, 0.3318,
0.2619

 4.5770, 0.3528,
0.1712

145.6606, 0.3306,
0.2665

 2.0013, 0.3581,
0.1410

181.4841, 0.3295,
0.2705

 0.6082, 0.3648,
0.0952

222.7465, 0.3285,

 0.0000, 0.3788,

0.2740


0.0000


269.8322, 0.3277,
0.2771


 0.0000, 0.0000,
0.0000

 34.6737, 0.3388,
0.2345

 34.6737, 0.3388,
0.2345


 29.5575, 0.3461,
0.2172

 41.1086, 0.3320,
0.2539


 25.6615, 0.3538,
0.2029


 48.9421, 0.3259,
0.2744

 22.8812, 0.3615,
0.1926


 58.2531, 0.3204,
0.2951

 21.0922, 0.3691,
0.1869


 69.1136, 0.3156,
0.3154


 20.1342, 0.3764,
0.1858

 81.5907, 0.3115,
0.3349

 19.9246, 0.3786,
0.1859

 93.9455, 0.3081,
0.3505

 94.2055, 0.3056,
0.3459

 94.4721, 0.3031,
0.3413

 94.7453, 0.3006,
0.3367

Harmonies

Analogous

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



34.6737, 0.2523, 0.2036



34.6737, 0.3388, 0.2345



34.6737, 0.4294, 0.2842

Triad

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



34.6737, 0.3388, 0.2345



34.6737, 0.4313, 0.4680



34.6737, 0.1665, 0.2750

Complementary

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



34.6737, 0.3388, 0.2345



61.5043, 0.2950, 0.4478

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.



34.6737, 0.2017, 0.3671



34.6737, 0.3388, 0.2345



34.6737, 0.3533, 0.4972

Square

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



34.6737, 0.3388, 0.2345



34.6737, 0.4823, 0.4088



34.6737, 0.2692, 0.4609



34.6737, 0.1644, 0.2183

Rectangle

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



34.6737, 0.3388, 0.2345



34.6737, 0.4723, 0.3238



34.6737, 0.2692, 0.4609



34.6737, 0.1744, 0.3024

Sweetspot

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



34.6753, 0.3388, 0.2345



78.8569, 0.3190, 0.3009



24.9066, 0.2384, 0.1870



16.2589, 0.3201, 0.2964



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.



34.6753, 0.3388, 0.2345



38.4382, 0.3457, 0.2181



32.5323, 0.3989, 0.2901



14.5642, 0.3168, 0.3103



11.5223, 0.3776, 0.1854



0.8639, 0.3678, 0.1800

Inverse Universe

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



34.6753, 0.3388, 0.2345



38.4382, 0.3457, 0.2181



63.4520, 0.2673, 0.3737



14.5642, 0.3168, 0.3103



11.5223, 0.3776, 0.1854



0.8639, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 34.6737, 0.3388, 0.2345 looks on a white background.

Color Contrast Check

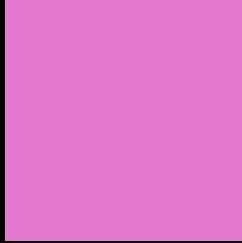
Large Text (above 18pt) WCAG AA × Fail

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 34.6737, 0.3388, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

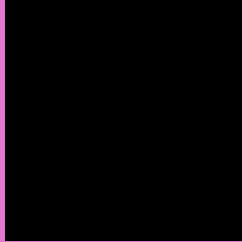
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6737, 0.3388, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 34.6737, 0.3388, 0.2345.



This preview shows how white text looks on a background with the Yxy color 34.6737, 0.3388, 0.2345.

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

34.6737, 0.3388, 0.2345

Protanopia

35.1804, 0.2372, 0.2262

Deuteranopia

34.7663, 0.2727, 0.2666



Tritanopia

34.7444, 0.3980, 0.3172

Trichromacy



Original Color

34.6737, 0.3388, 0.2345



Protanomaly

33.7076, 0.2664, 0.2261



Deuteranomaly

33.6600, 0.2942, 0.2512



Tritanomaly

34.6397, 0.3761, 0.2845

Monochromacy



Original Color

34.6737, 0.3388, 0.2345



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.9993, 0.3227, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6737, 0.3388, 0.2345 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(228, 121, 207)` looks like.

```
.text, #text, p{  
    color:rgb(228, 121, 207)  
}
```

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(228, 121, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 121, 207) }
```

Border

The CSS property to change the border of an element to Yxy 34.6737, 0.3388, 0.2345 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(228, 121, 207) }
```

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

```
.border{ border-color:rgb(228, 121, 207) }
```

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

Here you see how a box with a 4 pixel rgb(228, 121, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 121, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 121, 207);  
box-shadow:4px 4px 4px 4px rgb(228, 121,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6737, 0.3388, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 121, 207) }
```

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

```
.background{ background-color: rgb(228,  
121, 207) }
```

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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