

Converting Colors

$Y_{xy}(35.3238, 0.3325, 0.2210)$

Have a look what the booklet for
Yxy(35.3238, 0.3325, 0.2210)
contains.

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Color

Yxy(35.3295, 0.3329, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	EA75DB
RGB	234, 117, 219
RGB Percent	92%, 46%, 86%
CMY	0.0824, 0.5411, 0.1413
CMYK	0.00, 0.50, 0.06, 0.08
HSL	308°, 74%, 69%
HSV	308°, 50%, 92%
XYZ	53.0740, 35.3295, 71.0257
YIQ	163.6110, 36.9900, 56.5260

Conversions

Conversions Part 2

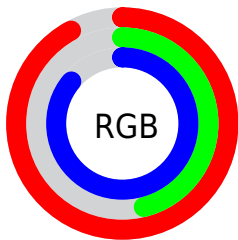
Format	Color
RYB	234, 117, 219
Decimal	15365595
CIELab	66.00, 58.27, -32.07
CIELCh	66, 66.508, 331.175
Yxy	35.3295, 0.3329, 0.2216
Android (android.graphics.Color)	4293555675 (0xFFEA75DB)
YUV	163.6110, 27.3068, 61.7312
Hunter-Lab	59.4386, 55.3687, -29.2411

Details

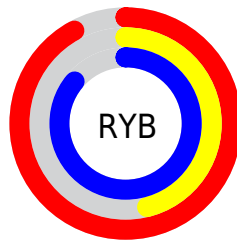
The Yxy color **35.3295, 0.3329, 0.2216** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.2892, 0.2981, 0.4682**, and the grayscale version is **36.7874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **15.3557, 0.3359, 0.1959** is the 20% darker color. If you saturate the color by 10%, you get **30.3854, 0.3379, 0.2041**, and if you desaturate by 10%, it is **41.6422, 0.3281, 0.2416**.

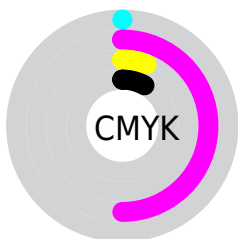
Distribution



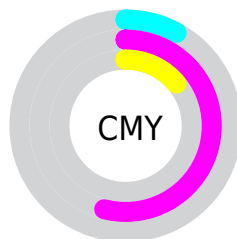
- Red (92%)
- Green (46%)
- Blue (86%)



- Red (92%)
- Yellow (46%)
- Blue (86%)



- Cyan (0%)
- Magenta (50%)
- Yellow (6%)
- Black (8%)





- Cyan (8%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3295, 0.3329, 0.2216 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 35.3295, 0.3329, 0.2216 by changing the saturation by 10% instead.


 35.3295, 0.3329,
0.2216


 35.3295, 0.3329,
0.2216


326.0203, 0.3246,
0.2722

 23.9168, 0.3344,
0.2100


 67.9959, 0.3303,
0.2392

 15.2719, 0.3361,
0.1957


 90.0184, 0.3292,
0.2461

 9.0104, 0.3379,
0.1778

 116.3463, 0.3282,
0.2519

 4.7480, 0.3395,
0.1547

147.3639, 0.3273,
0.2570

 2.1002, 0.3402,
0.1244

183.4558, 0.3265,
0.2615

 0.6647, 0.3385,
0.0824


225.0062, 0.3258,


 0.0000, 0.3362,

0.2655

0.0000

272.3996, 0.3252,
0.2690


 0.0000, 0.0000,
0.0000


 35.3295, 0.3329,
0.2216


 35.3295, 0.3329,
0.2216

 30.3854, 0.3379,
0.2041


 41.6422, 0.3281,
0.2416


 26.7015, 0.3429,
0.1902


 49.4116, 0.3237,
0.2632


 24.1612, 0.3478,
0.1805


 58.7238, 0.3196,
0.2854

 22.6239, 0.3524,
0.1752


 69.6570, 0.3159,
0.3076


 21.8492, 0.3568,
0.1739

 82.2842, 0.3127,
0.3290

 21.8485, 0.3568,
0.1739

 95.1246, 0.3100,
0.3470

 95.3016, 0.3083,
0.3440

 95.4815, 0.3066,
0.3410

 95.6644, 0.3049,
0.3379

Harmonies

Analogous

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



35.3295, 0.2388, 0.1901



35.3295, 0.3329, 0.2216



35.3295, 0.4365, 0.2738

Triad

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



35.3295, 0.3329, 0.2216



35.3295, 0.4471, 0.4759



35.3295, 0.1536, 0.2736

Complementary

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



35.3295, 0.3329, 0.2216



64.2892, 0.2981, 0.4682

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.



35.3295, 0.1935, 0.3803



35.3295, 0.3329, 0.2216



35.3295, 0.3619, 0.5178

Square

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



35.3295, 0.3329, 0.2216



35.3295, 0.5025, 0.4074



35.3295, 0.2692, 0.4862



35.3295, 0.1495, 0.2092

Rectangle

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



35.3295, 0.3329, 0.2216



35.3295, 0.4875, 0.3158



35.3295, 0.2692, 0.4862



35.3295, 0.1626, 0.3052

Sweetspot

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



35.3311, 0.3329, 0.2216



77.6648, 0.3177, 0.2964



23.4657, 0.2265, 0.1742



16.0316, 0.3185, 0.2917



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.



35.3311, 0.3329, 0.2216



36.7822, 0.3380, 0.2037



32.8213, 0.3979, 0.2791



15.2786, 0.3157, 0.3087



12.2922, 0.3561, 0.1736



0.9745, 0.3506, 0.1705

Inverse Universe

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



35.3311, 0.3329, 0.2216



36.7822, 0.3380, 0.2037



66.3031, 0.2690, 0.3880



15.2786, 0.3157, 0.3087



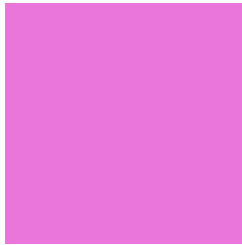
12.2922, 0.3561, 0.1736



0.9745, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 35.3295, 0.3329, 0.2216 looks on a white background.

Color Contrast Check

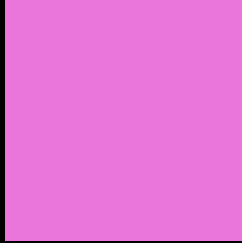
Large Text (above 18pt) WCAG AA × Fail

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 35.3295, 0.3329, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

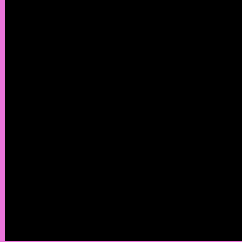
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3295, 0.3329, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 35.3295, 0.3329, 0.2216.



This preview shows how white text looks on a background with the Yxy color 35.3295, 0.3329, 0.2216.

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

35.3295, 0.3329, 0.2216

Protanopia

35.9176, 0.2241, 0.2096

Deuteranopia

35.5967, 0.2620, 0.2555



Tritanopia

35.0714, 0.4038, 0.3174

Trichromacy



Original Color

35.3295, 0.3329, 0.2216



Protanomaly

33.9355, 0.2538, 0.2097



Deuteranomaly

34.2545, 0.2843, 0.2380



Tritanomaly

34.8726, 0.3774, 0.2796

Monochromacy



Original Color

35.3295, 0.3329, 0.2216



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.1469, 0.3200, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3295, 0.3329, 0.2216 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(234, 117, 219)` looks like.

```
.text, #text, p{  
    color:rgb(234, 117, 219)  
}
```

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(234, 117, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 117, 219) }
```

Border

The CSS property to change the border of an element to Yxy 35.3295, 0.3329, 0.2216 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(234, 117, 219) }
```

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

```
.border{ border-color:rgb(234, 117, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 117, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 117, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 117, 219);  
box-shadow:4px 4px 4px 4px rgb(234, 117,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3295, 0.3329, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 117, 219) }
```

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

```
.background{ background-color: rgb(234,  
117, 219) }
```

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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