

Converting Colors

$Y_{xy}(35.0945, 0.3313, 0.2164)$

Have a look what the booklet for
Yxy(35.0945, 0.3313, 0.2164)
contains.

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Color

Yxy(35.1414, 0.3321, 0.2169)

Conversions

Conversions Part 1

Format	Color
Hex	EC72DE
RGB	236, 114, 222
RGB Percent	93%, 45%, 87%
CMY	0.0744, 0.5530, 0.1293
CMYK	0.00, 0.52, 0.06, 0.07
HSL	307°, 76%, 69%
HSV	307°, 52%, 93%
XYZ	53.8057, 35.1414, 73.0695
YIQ	162.7900, 38.0440, 59.4520

Conversions

Conversions Part 2

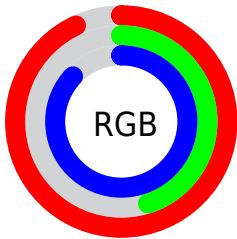
Format	Color
R _Y B	236, 114, 222
Decimal	15495902
CIE _{Lab}	65.86, 60.78, -33.97
CIE _{LCh}	66, 69.626, 330.802
Y _{xy}	35.1414, 0.3321, 0.2169
Android (android.graphics.Color)	4293685982 (0xFFEC72DE)
YUV	162.7900, 29.1905, 64.2052
Hunter-Lab	59.2802, 58.2754, -31.5855

Details

The Yxy color **35.1414, 0.3321, 0.2169** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.1469, 0.2985, 0.4761**, and the grayscale version is **36.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **15.2443, 0.3361, 0.1915** is the 20% darker color. If you saturate the color by 10%, you get **30.3451, 0.3366, 0.1998**, and if you desaturate by 10%, it is **41.3168, 0.3277, 0.2368**.

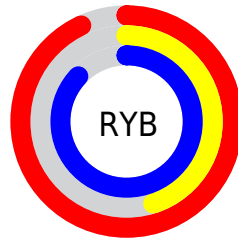
Distribution



Red (93%)

Green (45%)

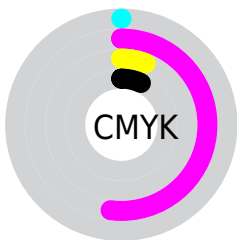
Blue (87%)



Red (93%)

Yellow (45%)

Blue (87%)

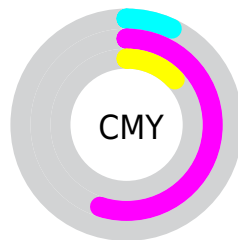


Cyan (0%)

Magenta (52%)

Yellow (6%)

Black (7%)



Cyan (7%)


Magenta (55%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1414, 0.3321, 0.2169 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 35.1414, 0.3321, 0.2169 by changing the saturation by 10% instead.

 35.1414, 0.3321,
0.2169


 35.1414, 0.3321,
0.2169


325.1920, 0.3244,
0.2694

 23.7718, 0.3334,
0.2049


 67.7048, 0.3297,
0.2351

 15.1644, 0.3349,
0.1903


 89.6673, 0.3287,
0.2422

 8.9349, 0.3362,
0.1719


 115.9297, 0.3278,
0.2483

 4.6987, 0.3372,
0.1485

146.8762, 0.3270,
0.2536

 2.0716, 0.3370,
0.1181

182.8913, 0.3262,
0.2583

 0.6486, 0.3336,
0.0764

224.3594, 0.3256,


 0.0000, 0.3270,


0.2624


0.0000


271.6648, 0.3250,
0.2661

 0.0000, 0.0000,
0.0000


 35.1414, 0.3321,
0.2169


 35.1414, 0.3321,
0.2169


 30.3451, 0.3366,
0.1998

 41.3168, 0.3277,
0.2368


 26.8149, 0.3411,
0.1864

 48.9628, 0.3236,
0.2584


 24.4284, 0.3455,
0.1773

 58.1689, 0.3197,
0.2809

 23.0365, 0.3495,
0.1727

 69.0160, 0.3163,
0.3034

 22.4397, 0.3527,
0.1717

 81.5795, 0.3132,
0.3253

■ 95.5492, 0.3105,
0.3457

■ 95.7100, 0.3090,
0.3429

■ 95.8732, 0.3075,
0.3402

■ 96.0388, 0.3059,
0.3375

Harmonies

Analogous

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



35.1414, 0.2345, 0.1848



35.1414, 0.3321, 0.2169



35.1414, 0.4412, 0.2704

Triad

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



35.1414, 0.3321, 0.2169



35.1414, 0.4522, 0.4798



35.1414, 0.1478, 0.2714

Complementary

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



35.1414, 0.3321, 0.2169



65.1469, 0.2985, 0.4761

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.



35.1414, 0.1888, 0.3842



35.1414, 0.3321, 0.2169



35.1414, 0.3636, 0.5266

Square

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



35.1414, 0.3321, 0.2169



35.1414, 0.5104, 0.4076



35.1414, 0.2674, 0.4961



35.1414, 0.1435, 0.2045

Rectangle

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



35.1414, 0.3321, 0.2169



35.1414, 0.4951, 0.3134



35.1414, 0.2674, 0.4961



35.1414, 0.1570, 0.3046

Sweetspot

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



35.1430, 0.3321, 0.2169



76.3763, 0.3177, 0.2936



22.5360, 0.2215, 0.1676



15.7793, 0.3184, 0.2890



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.



35.1430, 0.3321, 0.2169



35.8963, 0.3369, 0.1990



32.5050, 0.3999, 0.2753



15.2822, 0.3155, 0.3084



12.3770, 0.3521, 0.1713



0.9804, 0.3472, 0.1686

Inverse Universe

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



35.1430, 0.3321, 0.2169



35.8963, 0.3369, 0.1990



67.1857, 0.2689, 0.3934



15.2822, 0.3155, 0.3084



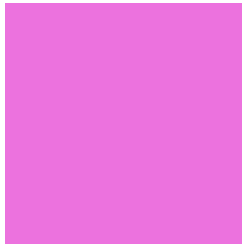
12.3770, 0.3521, 0.1713



0.9804, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 35.1414, 0.3321, 0.2169 looks on a white background.

Color Contrast Check

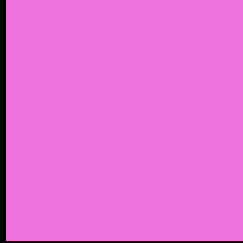
Large Text (above 18pt) WCAG AA × Fail

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 35.1414, 0.3321, 0.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

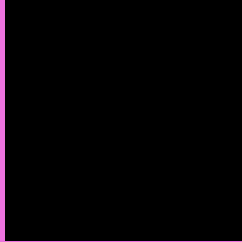
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1414, 0.3321, 0.2169

Background



This preview shows how black text looks on a background with the Yxy color 35.1414, 0.3321, 0.2169.



This preview shows how white text looks on a background with the Yxy color 35.1414, 0.3321, 0.2169.

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

35.1414, 0.3321, 0.2169

Protanopia

35.5449, 0.2209, 0.2051

Deuteranopia

35.4198, 0.2584, 0.2527



Tritanopia

35.0891, 0.4075, 0.3175

Trichromacy



Original Color

35.1414, 0.3321, 0.2169



Protanomaly

33.4133, 0.2508, 0.2044



Deuteranomaly

33.9395, 0.2817, 0.2344



Tritanomaly

34.7233, 0.3788, 0.2767

Monochromacy



Original Color

35.1414, 0.3321, 0.2169



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.6586, 0.3211, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1414, 0.3321, 0.2169 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, 114, 222)` looks like.

```
.text, #text, p{  
    color:rgb(236, 114, 222)  
}
```

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, 114, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 114, 222) }
```

Border

The CSS property to change the border of an element to Yxy 35.1414, 0.3321, 0.2169 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, 114, 222) }
```

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

```
.border{ border-color:rgb(236, 114, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 114, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 114, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 114, 222);  
box-shadow:4px 4px 4px 4px rgb(236, 114,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1414, 0.3321, 0.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 114, 222) }
```

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

```
.background{ background-color: rgb(236,  
114, 222) }
```

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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