

Converting Colors

$Y_{xy}(35.8202, 0.3185, 0.2067)$

Have a look what the booklet for
Yxy(35.8202, 0.3185, 0.2067)
contains.

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Color

Yxy(35.9218, 0.3185, 0.2065)

Conversions

Conversions Part 1

Format	Color
Hex	EB73EB
RGB	235, 115, 235
RGB Percent	92%, 45%, 92%
CMY	0.0782, 0.5492, 0.0783
CMYK	0.00, 0.51, 0.00, 0.08
HSL	300°, 75%, 69%
HSV	300°, 51%, 92%
XYZ	55.4048, 35.9218, 82.6288
YIQ	164.5600, 33.0000, 62.7600

Conversions

Conversions Part 2

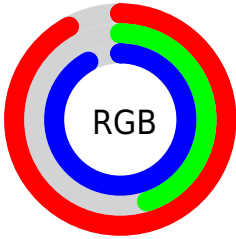
Format	Color
R _Y B	235, 115, 235
Decimal	15430635
CIE Lab	66.46, 62.24, -40.25
CIE LCh	66, 74.126, 327.109
Yxy	35.9218, 0.3185, 0.2065
Android (android.graphics.Color)	4293620715 (0xFFEB73EB)
YUV	164.5600, 34.7269, 61.7759
Hunter-Lab	59.9348, 60.1227, -39.7855

Details

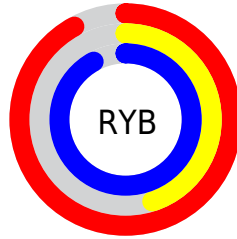
The Yxy color **35.9218, 0.3185, 0.2065** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.3319, 0.3050, 0.4920**, and the grayscale version is **37.2211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **15.6279, 0.3171, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **31.2310, 0.3194, 0.1880**, and if you desaturate by 10%, it is **41.9822, 0.3175, 0.2281**.

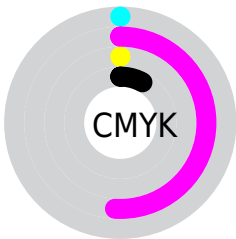
Distribution



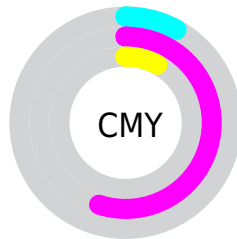
- Red (92%)
- Green (45%)
- Blue (92%)



- Red (92%)
- Yellow (45%)
- Blue (92%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (55%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9218, 0.3185, 0.2065 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 35.9218, 0.3185, 0.2065 by changing the saturation by 10% instead.


 35.9218, 0.3185,
0.2065


 35.9218, 0.3185,
0.2065


328.6186, 0.3181,
0.2629

 24.3738, 0.3180,
0.1939


 68.9113, 0.3189,
0.2259

 15.6111, 0.3169,
0.1787


 91.1217, 0.3188,
0.2335

 9.2494, 0.3151,
0.1598


 117.6549, 0.3188,
0.2401

 4.9042, 0.3116,
0.1362

148.8955, 0.3187,
0.2458

 2.1912, 0.3050,
0.1064

185.2277, 0.3185,
0.2508

 0.7152, 0.2920,
0.0682

227.0361, 0.3184,

 0.0000, 0.2701,

0.2553

0.0000

274.7049, 0.3182,
0.2593

■ 0.0000, 0.0733,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9218, 0.3185,
0.2065

■ 35.9218, 0.3185,
0.2065

■ 31.2310, 0.3194,
0.1880

■ 41.9822, 0.3175,
0.2281

■ 27.7987, 0.3201,
0.1733


■ 49.5022, 0.3164,
0.2518

■ 25.5051, 0.3206,
0.1629


■ 58.5698, 0.3152,
0.2766


■ 24.2044, 0.3209,
0.1568


■ 69.2648, 0.3140,
0.3017


 23.6703, 0.3210,
0.1542

 81.6614, 0.3128,
0.3264

 95.1950, 0.3118,
0.3490

 95.1954, 0.3118,
0.3490

 95.1958, 0.3118,
0.3490

 95.1963, 0.3118,
0.3490

Harmonies

Analogous

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



35.9218, 0.2203, 0.1765



35.9218, 0.3185, 0.2065



35.9218, 0.4351, 0.2595

Triad

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



35.9218, 0.3185, 0.2065



35.9218, 0.4669, 0.4760



35.9218, 0.1435, 0.2795

Complementary

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



35.9218, 0.3185, 0.2065



64.3319, 0.3050, 0.4920

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.



35.9218, 0.1904, 0.4037



35.9218, 0.3185, 0.2065



35.9218, 0.3763, 0.5342

Square

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



35.9218, 0.3185, 0.2065



35.9218, 0.5235, 0.3992



35.9218, 0.2758, 0.5169



35.9218, 0.1353, 0.2041

Rectangle

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



35.9218, 0.3185, 0.2065



35.9218, 0.4968, 0.3030



35.9218, 0.2758, 0.5169



35.9218, 0.1545, 0.3166

Sweetspot

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



35.9234, 0.3185, 0.2065



77.9761, 0.3145, 0.2918



21.8945, 0.2144, 0.1665



16.1074, 0.3147, 0.2865



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.



35.9234, 0.3185, 0.2065



37.4860, 0.3194, 0.1877



33.0193, 0.3834, 0.2630



15.3137, 0.3138, 0.3058



13.1657, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Inverse Universe

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



35.9234, 0.3185, 0.2065



37.4860, 0.3194, 0.1877



66.1897, 0.2754, 0.4093



15.3137, 0.3138, 0.3058



13.1657, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 35.9218, 0.3185, 0.2065 looks on a white background.

Color Contrast Check

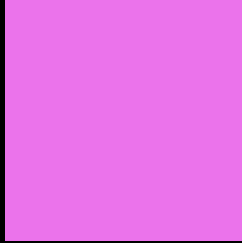
Large Text (above 18pt) WCAG AA × Fail

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 35.9218, 0.3185, 0.2065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

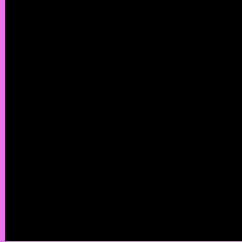
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9218, 0.3185, 0.2065

Background



This preview shows how black text looks on a background with the Yxy color 35.9218, 0.3185, 0.2065.



This preview shows how white text looks on a background with the Yxy color 35.9218, 0.3185, 0.2065.

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

35.9218, 0.3185, 0.2065

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.1766, 0.2456, 0.2396



Tritanopia

35.8452, 0.3980, 0.3174

Trichromacy



Original Color

35.9218, 0.3185, 0.2065



Protanomaly

34.4216, 0.2488, 0.2026



Deuteranomaly

34.6584, 0.2679, 0.2226



Tritanomaly

35.4492, 0.3680, 0.2719

Monochromacy



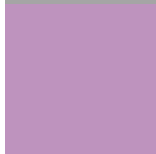
Original Color

35.9218, 0.3185, 0.2065



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.5323, 0.3153, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9218, 0.3185, 0.2065 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(235, 115, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 115, 235)  
}
```

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(235, 115, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 115, 235) }
```

Border

The CSS property to change the border of an element to Yxy 35.9218, 0.3185, 0.2065 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(235, 115, 235) }
```

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

```
.border{ border-color:rgb(235, 115, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 115, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 115, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 115, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 115,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9218, 0.3185, 0.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 115, 235) }
```

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

```
.background{ background-color: rgb(235,  
115, 235) }
```

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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