

Converting Colors

$Y_{xy}(35.5839, 0.3259, 0.2177)$

Have a look what the booklet for
Yxy(35.5839, 0.3259, 0.2177)
contains.

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Color

Yxy(35.4945, 0.3259, 0.2174)

Conversions

Conversions Part 1

Format	Color
Hex	E876E0
RGB	232, 118, 224
RGB Percent	91%, 46%, 88%
CMY	0.0902, 0.5372, 0.1216
CMYK	0.00, 0.49, 0.03, 0.09
HSL	304°, 71%, 69%
HSV	304°, 49%, 91%
XYZ	53.2091, 35.4945, 74.5646
YIQ	164.1700, 33.9180, 57.1340

Conversions

Conversions Part 2

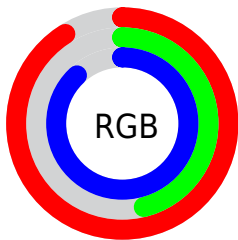
Format	Color
R _Y B	232, 118, 224
Decimal	15234784
CIE _{Lab}	66.13, 58.07, -34.68
CIE _{LCh}	66, 67.636, 329.152
Y _{xy}	35.4945, 0.3259, 0.2174
Android (android.graphics.Color)	4293424864 (0xFFE876E0)
Y _{UV}	164.1700, 29.4962, 59.4869
Hunter-Lab	59.5773, 55.1601, -32.5010

Details

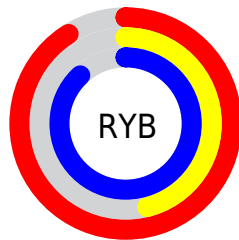
The Yxy color **35.4945, 0.3259, 0.2174** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63.0681, 0.3015, 0.4743**, and the grayscale version is **37.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **15.3808, 0.3275, 0.1915** is the 20% darker color. If you saturate the color by 10%, you get **30.5992, 0.3289, 0.1990**, and if you desaturate by 10%, it is **41.7373, 0.3229, 0.2385**.

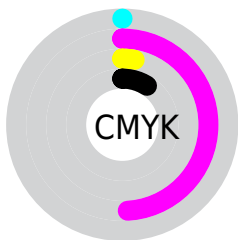
Distribution



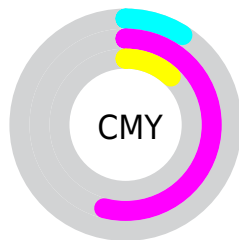
- Red (91%)
- Green (46%)
- Blue (88%)



- Red (91%)
- Yellow (46%)
- Blue (88%)



- Cyan (0%)
- Magenta (49%)
- Yellow (3%)
- Black (9%)




- Cyan (9%)
- Magenta (54%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4945, 0.3259, 0.2174 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 35.4945, 0.3259, 0.2174 by changing the saturation by 10% instead.


 35.4945, 0.3259,
0.2174


 35.4945, 0.3259,
0.2174


326.7457, 0.3213,
0.2697


 24.0440, 0.3265,
0.2055


 68.2511, 0.3247,
0.2355

 15.3663, 0.3269,
0.1909


 90.3261, 0.3241,
0.2426

 9.0769, 0.3270,
0.1726


 116.7113, 0.3235,
0.2487

 4.7914, 0.3263,
0.1493

147.7912, 0.3230,
0.2540

 2.1254, 0.3236,
0.1191

183.9503, 0.3225,
0.2586

 0.6788, 0.3164,
0.0781

225.5727, 0.3221,


 0.0000, 0.3041,

0.2627


0.0000

273.0431, 0.3217,
0.2664


 0.0000, 0.0000,
0.0000


 35.4945, 0.3259,
0.2174


 35.4945, 0.3259,
0.2174


 30.5992, 0.3289,
0.1990

 41.7373, 0.3229,
0.2385

 26.9463, 0.3319,
0.1841


 49.4130, 0.3200,
0.2612


 24.4230, 0.3346,
0.1733


 58.6053, 0.3173,
0.2847


 22.8942, 0.3372,
0.1670

 69.3904, 0.3148,
0.3082

 22.1489, 0.3394,
0.1646


 81.8393, 0.3125,
0.3309

 22.0978, 0.3396,
0.1645

 94.6014, 0.3106,
0.3504

 94.6952, 0.3097,
0.3488

 94.7900, 0.3088,
0.3471

 94.8855, 0.3078,
0.3454

Harmonies

Analogous

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



35.4945, 0.2325, 0.1873



35.4945, 0.3259, 0.2174



35.4945, 0.4319, 0.2690

Triad

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



35.4945, 0.3259, 0.2174



35.4945, 0.4535, 0.4731



35.4945, 0.1532, 0.2786

Complementary

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



35.4945, 0.3259, 0.2174



63.0681, 0.3015, 0.4743

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.



35.4945, 0.1959, 0.3892



35.4945, 0.3259, 0.2174



35.4945, 0.3684, 0.5196

Square

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



35.4945, 0.3259, 0.2174



35.4945, 0.5070, 0.4030



35.4945, 0.2743, 0.4941



35.4945, 0.1469, 0.2105

Rectangle

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



35.4945, 0.3259, 0.2174



35.4945, 0.4861, 0.3109



35.4945, 0.2743, 0.4941



35.4945, 0.1631, 0.3117

Sweetspot

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



35.4961, 0.3259, 0.2174



77.8053, 0.3162, 0.2943



23.1919, 0.2241, 0.1756



16.0658, 0.3168, 0.2893



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.



35.4961, 0.3259, 0.2174



37.8304, 0.3290, 0.1987



32.9195, 0.3887, 0.2736



14.5969, 0.3149, 0.3074



12.2766, 0.3393, 0.1643



0.9125, 0.3363, 0.1626

Inverse Universe

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



35.4961, 0.3259, 0.2174



37.8304, 0.3290, 0.1987



64.9638, 0.2725, 0.3948



14.5969, 0.3149, 0.3074



12.2766, 0.3393, 0.1643



0.9125, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 35.4945, 0.3259, 0.2174 looks on a white background.

Color Contrast Check

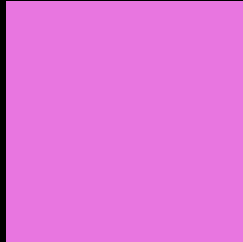
Large Text (above 18pt) WCAG AA × Fail

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 35.4945, 0.3259, 0.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

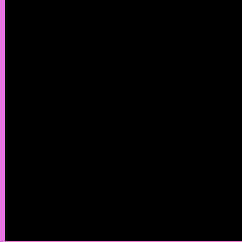
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4945, 0.3259, 0.2174

Background



This preview shows how black text looks on a background with the Yxy color 35.4945, 0.3259, 0.2174.



This preview shows how white text looks on a background with the Yxy color 35.4945, 0.3259, 0.2174.

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

35.4945, 0.3259, 0.2174

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

35.9170, 0.2566, 0.2506



Tritanopia

35.3716, 0.3985, 0.3173

Trichromacy



Original Color

35.4945, 0.3259, 0.2174



Protanomaly

33.9631, 0.2498, 0.2056



Deuteranomaly

34.4609, 0.2778, 0.2333



Tritanomaly

34.9253, 0.3716, 0.2770

Monochromacy



Original Color

35.4945, 0.3259, 0.2174



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.2314, 0.3181, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4945, 0.3259, 0.2174 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(232, 118, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 118, 224)  
}
```

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(232, 118, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 118, 224) }
```

Border

The CSS property to change the border of an element to Yxy 35.4945, 0.3259, 0.2174 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(232, 118, 224) }
```

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

```
.border{ border-color:rgb(232, 118, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 118, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 118, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 118, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 118,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4945, 0.3259, 0.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 118, 224) }
```

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

```
.background{ background-color: rgb(232,  
118, 224) }
```

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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