

Converting Colors

$Y_{xy}(35.5541, 0.3338, 0.2367)$

Have a look what the booklet for
Yxy(35.5541, 0.3338, 0.2367)
contains.

Yxy(35.5327, 0.3333, 0.2367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.5327, 0.3333, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	E17ED1
RGB	225, 126, 209
RGB Percent	88%, 49%, 82%
CMY	0.1174, 0.5060, 0.1803
CMYK	0.00, 0.44, 0.07, 0.12
HSL	310°, 62%, 69%
HSV	310°, 44%, 88%
XYZ	50.0340, 35.5327, 64.5503
YIQ	165.0630, 32.3610, 46.8010

Conversions

Conversions Part 2

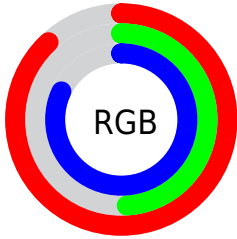
Format	Color
R _Y B	225, 126, 209
Decimal	14778065
CIE Lab	66.16, 49.58, -26.36
CIE LCh	66, 56.145, 332.004
Yxy	35.5327, 0.3333, 0.2367
Android (android.graphics.Color)	4292968145 (0xFFE17ED1)
YUV	165.0630, 21.6609, 52.5647
Hunter-Lab	59.6093, 45.5105, -22.4780

Details

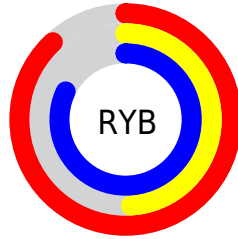
The Yxy color **35.5327, 0.3333, 0.2367** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.2660, 0.2977, 0.4438**, and the grayscale version is **37.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.4230, 0.3381, 0.2141** is the 20% darker color. If you saturate the color by 10%, you get **30.2350, 0.3393, 0.2181**, and if you desaturate by 10%, it is **42.1321, 0.3277, 0.2571**.

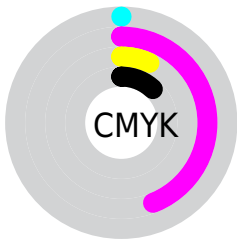
Distribution



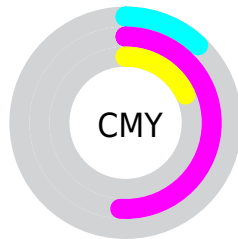
- Red (88%)
- Green (49%)
- Blue (82%)



- Red (88%)
- Yellow (49%)
- Blue (82%)



- Cyan (0%)
- Magenta (44%)
- Yellow (7%)
- Black (12%)





- Cyan (12%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5327, 0.3333, 0.2367 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 35.5327, 0.3333, 0.2367 by changing the saturation by 10% instead.


 35.5327, 0.3333,
0.2367

 35.5327, 0.3333,
0.2367


326.9134, 0.3242,
0.2810


 24.0735, 0.3352,
0.2263


 68.3102, 0.3303,
0.2523

 15.3882, 0.3374,
0.2133


 90.3973, 0.3291,
0.2583

 9.0923, 0.3400,
0.1968


 116.7958, 0.3280,
0.2634

 4.8014, 0.3430,
0.1750

147.8901, 0.3271,
0.2679

 2.1312, 0.3460,
0.1455

184.0646, 0.3262,
0.2718

 0.6821, 0.3483,
0.1023

225.7038, 0.3255,

 0.0000, 0.3586,

0.2752

0.0000

273.1919, 0.3248,
0.2782

■ 0.0000, 0.0000,
0.0000

■ 35.5327, 0.3333,
0.2367

■ 35.5327, 0.3333,
0.2367

■ 30.2350, 0.3393,
0.2181

■ 42.1321, 0.3277,
0.2571

■ 26.1463, 0.3455,
0.2024

■ 50.1082, 0.3227,
0.2785

■ 23.1692, 0.3518,
0.1904

■ 59.5358, 0.3181,
0.2999

■ 21.1895, 0.3580,
0.1829

■ 70.4831, 0.3142,
0.3208

■ 20.0680, 0.3639,
0.1799

■ 83.0138, 0.3107,
0.3408

■ 19.6737, 0.3673,
0.1797

■ 93.2985, 0.3080,
0.3537

■ 93.5064, 0.3059,
0.3499

■ 93.7186, 0.3039,
0.3461

■ 93.9352, 0.3019,
0.3424

Harmonies

Analogous

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



35.5327, 0.2518, 0.2080



35.5327, 0.3333, 0.2367



35.5327, 0.4196, 0.2839

Triad

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



35.5327, 0.3333, 0.2367



35.5327, 0.4299, 0.4599



35.5327, 0.1738, 0.2820

Complementary

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



35.5327, 0.3333, 0.2367



60.2660, 0.2977, 0.4438

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.



35.5327, 0.2097, 0.3702



35.5327, 0.3333, 0.2367



35.5327, 0.3565, 0.4880

Square

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



35.5327, 0.3333, 0.2367



35.5327, 0.4757, 0.4036



35.5327, 0.2758, 0.4563



35.5327, 0.1700, 0.2256

Rectangle

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



35.5327, 0.3333, 0.2367



35.5327, 0.4617, 0.3219



35.5327, 0.2758, 0.4563



35.5327, 0.1821, 0.3087

Sweetspot

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



35.5343, 0.3333, 0.2367



80.3020, 0.3177, 0.3019



26.0014, 0.2414, 0.1961



16.5470, 0.3187, 0.2972



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.



35.5343, 0.3333, 0.2367



40.5469, 0.3389, 0.2193



33.4911, 0.3871, 0.2885



13.8955, 0.3162, 0.3096



11.3455, 0.3664, 0.1792



0.7967, 0.3583, 0.1747

Inverse Universe

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



35.5343, 0.3333, 0.2367



40.5469, 0.3389, 0.2193



62.0467, 0.2712, 0.3750



13.8955, 0.3162, 0.3096



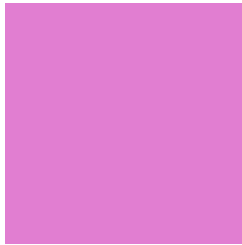
11.3455, 0.3664, 0.1792



0.7967, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 35.5327, 0.3333, 0.2367 looks on a white background.

Color Contrast Check

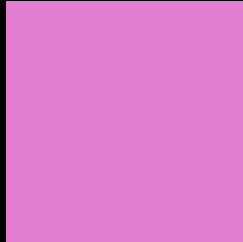
Large Text (above 18pt) WCAG AA × Fail

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 35.5327, 0.3333, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

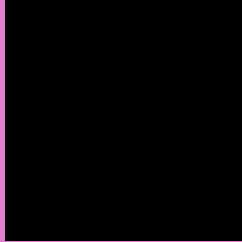
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5327, 0.3333, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 35.5327, 0.3333, 0.2367.



This preview shows how white text looks on a background with the Yxy color 35.5327, 0.3333, 0.2367.

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

35.5327, 0.3333, 0.2367

Protanopia

36.0552, 0.2401, 0.2305

Deuteranopia

35.7341, 0.2731, 0.2672



Tritanopia

35.5406, 0.3886, 0.3170

Trichromacy



Original Color

35.5327, 0.3333, 0.2367



Protanomaly

34.7387, 0.2676, 0.2302



Deuteranomaly

34.6688, 0.2926, 0.2528



Tritanomaly

35.3626, 0.3685, 0.2852

Monochromacy



Original Color

35.5327, 0.3333, 0.2367



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.0342, 0.3205, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5327, 0.3333, 0.2367 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(225, 126, 209)` looks like.

```
.text, #text, p{  
    color:rgb(225, 126, 209)  
}
```

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(225, 126, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 126, 209) }
```

Border

The CSS property to change the border of an element to Yxy 35.5327, 0.3333, 0.2367 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(225, 126, 209) }
```

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

```
.border{ border-color:rgb(225, 126, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 126, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 126, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 126, 209);  
box-shadow:4px 4px 4px 4px rgb(225, 126,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5327, 0.3333, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 126, 209) }
```

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

```
.background{ background-color: rgb(225,  
126, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor