

Converting Colors

Yxy(34.1047, 0.3305, 0.2080)

Have a look what the booklet for
Yxy(34.1047, 0.3305, 0.2080)
contains.

Yxy(34.1835, 0.3305, 0.2083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.1835, 0.3305, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	EE6BE2
RGB	238, 107, 226
RGB Percent	93%, 42%, 89%
CMY	0.0668, 0.5803, 0.1137
CMYK	0.00, 0.55, 0.05, 0.07
HSL	305°, 79%, 68%
HSV	305°, 55%, 93%
XYZ	54.2374, 34.1835, 75.6862
YIQ	159.7350, 39.8770, 64.7810

Conversions

Conversions Part 2

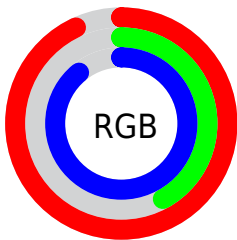
Format	Color
R _Y B	238, 107, 226
Decimal	15625186
CIE Lab	65.11, 65.12, -37.33
CIE LCh	65, 75.057, 330.179
Yxy	34.1835, 0.3305, 0.2083
Android (android.graphics.Color)	4293815266 (0xFFEE6BE2)
YUV	159.7350, 32.6686, 68.6384
Hunter-Lab	58.4667, 63.2713, -35.8253

Details

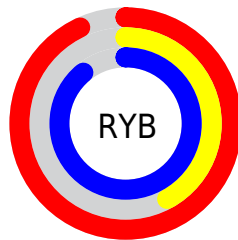
The Yxy color **34.1835, 0.3305, 0.2083** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.5935, 0.2992, 0.4911**, and the grayscale version is **34.8629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **14.5999, 0.3324, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **29.7668, 0.3342, 0.1921**, and if you desaturate by 10%, it is **39.9700, 0.3268, 0.2277**.

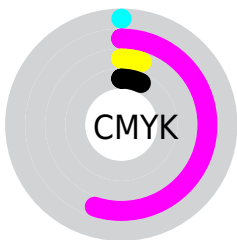
Distribution



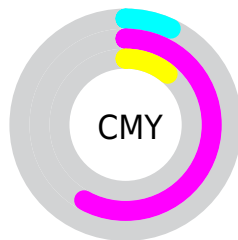
- Red (93%)
- Green (42%)
- Blue (89%)



- Red (93%)
- Yellow (42%)
- Blue (89%)



- Cyan (0%)
- Magenta (55%)
- Yellow (5%)
- Black (7%)





- Cyan (7%)
- Magenta (58%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1835, 0.3305, 0.2083 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 34.1835, 0.3305, 0.2083 by changing the saturation by 10% instead.


 34.1835, 0.3305,
0.2083


 34.1835, 0.3305,
0.2083


320.9495, 0.3240,
0.2644

 23.0346, 0.3315,
0.1957


 66.2189, 0.3286,
0.2277


 14.6191, 0.3324,
0.1802


 87.8742, 0.3278,
0.2353

 8.5525, 0.3329,
0.1611


 113.8005, 0.3270,
0.2418

 4.4505, 0.3328,
0.1369

 144.3821, 0.3263,
0.2475

 1.9286, 0.3306,
0.1061

180.0034, 0.3256,
0.2525

 0.5655, 0.3246,
0.0635

221.0488, 0.3250,

 0.0000, 0.3091,

0.2569

0.0000

267.9027, 0.3245,
0.2609

■ 0.0000, 0.0271,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1835, 0.3305,
0.2083

■ 34.1835, 0.3305,
0.2083

■ 29.7668, 0.3342,
0.1921

■ 39.9700, 0.3268,
0.2277

■ 26.6002, 0.3378,
0.1798


■ 47.2236, 0.3232,
0.2492

■ 24.5514, 0.3412,
0.1720

■ 56.0381, 0.3199,
0.2720

■ 23.4563, 0.3443,
0.1685


■ 66.4981, 0.3168,
0.2951


 23.1409, 0.3458,
0.1678

 78.6823, 0.3140,
0.3179

 92.6643, 0.3115,
0.3397

 96.0574, 0.3101,
0.3426

 96.1885, 0.3088,
0.3405

 96.3211, 0.3076,
0.3383

Harmonies

Analogous

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



34.1835, 0.2264, 0.1752



34.1835, 0.3305, 0.2083



34.1835, 0.4498, 0.2641

Triad

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



34.1835, 0.3305, 0.2083



34.1835, 0.4612, 0.4862



34.1835, 0.1372, 0.2672

Complementary

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



34.1835, 0.3305, 0.2083



65.5935, 0.2992, 0.4911

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.



34.1835, 0.1802, 0.3914



34.1835, 0.3305, 0.2083



34.1835, 0.3662, 0.5428

Square

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



34.1835, 0.3305, 0.2083



34.1835, 0.5249, 0.4074



34.1835, 0.2638, 0.5152



34.1835, 0.1327, 0.1959

Rectangle

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



34.1835, 0.3305, 0.2083



34.1835, 0.5092, 0.3089



34.1835, 0.2638, 0.5152



34.1835, 0.1468, 0.3034

Sweetspot

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



34.1851, 0.3305, 0.2083



75.1393, 0.3174, 0.2904



20.5409, 0.2132, 0.1556



15.5382, 0.3180, 0.2858



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.



34.1851, 0.3305, 0.2083



34.2956, 0.3347, 0.1904



31.2885, 0.4057, 0.2701



16.0050, 0.3152, 0.3078



12.9238, 0.3453, 0.1676



1.0824, 0.3417, 0.1656

Inverse Universe

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



34.1851, 0.3305, 0.2083



34.2956, 0.3347, 0.1904



67.6975, 0.2682, 0.4015



16.0050, 0.3152, 0.3078



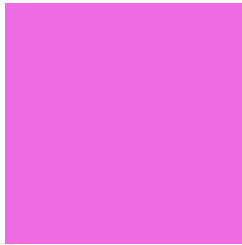
12.9238, 0.3453, 0.1676



1.0824, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 34.1835, 0.3305, 0.2083 looks on a white background.

Color Contrast Check

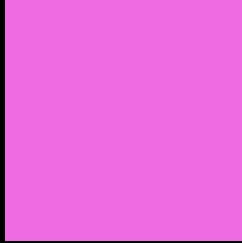
Large Text (above 18pt) WCAG AA × Fail

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 34.1835, 0.3305, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

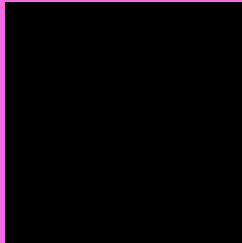
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1835, 0.3305, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 34.1835, 0.3305, 0.2083.

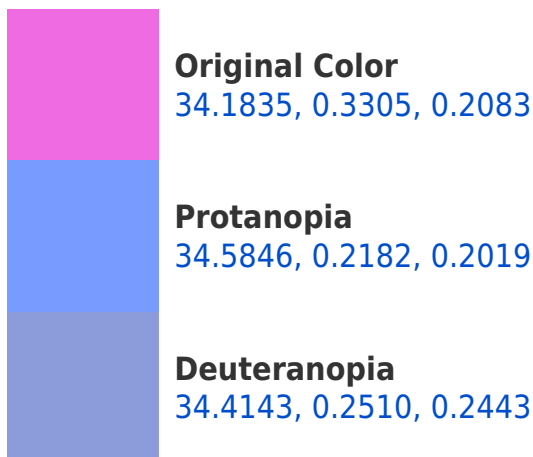


This preview shows how white text looks on a background with the Yxy color 34.1835, 0.3305, 0.2083.

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





Tritanopia

34.0586, 0.4151, 0.3177

Trichromacy



Original Color

34.1835, 0.3305, 0.2083



Protanomaly

32.3900, 0.2482, 0.1994



Deuteranomaly

32.6275, 0.2757, 0.2246



Tritanomaly

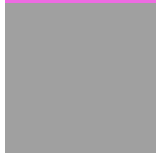
33.7708, 0.3835, 0.2728

Monochromacy



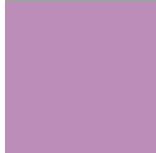
Original Color

34.1835, 0.3305, 0.2083



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.2018, 0.3194, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1835, 0.3305, 0.2083 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(238, 107, 226)` looks like.

```
.text, #text, p{  
    color:rgb(238, 107, 226)  
}
```

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(238, 107, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 107, 226) }
```

Border

The CSS property to change the border of an element to Yxy 34.1835, 0.3305, 0.2083 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(238, 107, 226) }
```

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

```
.border{ border-color:rgb(238, 107, 226) }
```

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

Here you see how a box with a 4 pixel rgb(238, 107, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 107, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 107, 226);  
box-shadow:4px 4px 4px 4px rgb(238, 107,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1835, 0.3305, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 107, 226) }
```

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

```
.background{ background-color: rgb(238,  
107, 226) }
```

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