

Converting Colors

Yxy(34.5483, 0.3009, 0.1842)

Have a look what the booklet for
Yxy(34.5483, 0.3009, 0.1842)
contains.

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Color

Yxy(34.5186, 0.3007, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	E969FD
RGB	233, 105, 253
RGB Percent	91%, 41%, 99%
CMY	0.0863, 0.5882, 0.0079
CMYK	0.08, 0.58, 0.00, 0.01
HSL	292°, 97%, 70%
HSV	292°, 58%, 99%
XYZ	56.3810, 34.5186, 96.5996
YIQ	160.1440, 28.7800, 73.1640

Conversions

Conversions Part 2

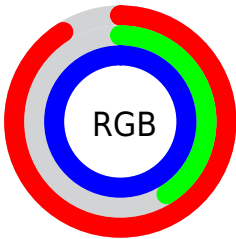
Format	Color
R _Y B	233, 105, 253
Decimal	15297021
CIE Lab	65.37, 69.37, -51.88
CIE LCh	65, 86.627, 323.209
Yxy	34.5186, 0.3007, 0.1841
Android (android.graphics.Color)	4293487101 (0xFFE969FD)
YUV	160.1440, 45.7780, 63.8947
Hunter-Lab	58.7525, 68.4780, -56.3565

Details

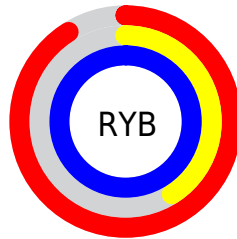
The Yxy color **34.5186, 0.3007, 0.1841** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6159, 0.3132, 0.5134**, and the grayscale version is **35.0015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **14.7856, 0.2929, 0.1529** is the 20% darker color. If you saturate the color by 10%, you get **29.5403, 0.2974, 0.1656**, and if you desaturate by 10%, it is **41.0432, 0.3037, 0.2061**.

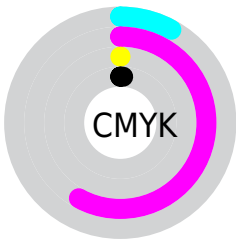
Distribution



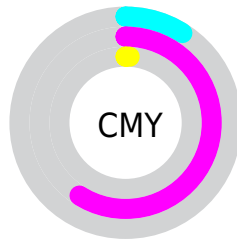
- Red (91%)
- Green (41%)
- Blue (99%)



- Red (91%)
- Yellow (41%)
- Blue (99%)



- Cyan (8%)
- Magenta (58%)
- Yellow (0%)
- Black (1%)





- Cyan (9%)
- Magenta (59%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5186, 0.3007, 0.1841 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 34.5186, 0.3007, 0.1841 by changing the saturation by 10% instead.


 34.5186, 0.3007,
0.1841


 34.5186, 0.3007,
0.1841


322.4383, 0.3100,
0.2492


 23.2923, 0.2976,
0.1701


 66.7393, 0.3047,
0.2060

 14.8095, 0.2934,
0.1535


 88.5025, 0.3060,
0.2148

 8.6858, 0.2873,
0.1334

 114.5468, 0.3071,
0.2224

 4.5368, 0.2781,
0.1092

 145.2566, 0.3079,
0.2291

 1.9781, 0.2638,
0.0801

181.0162, 0.3086,
0.2350

 0.5947, 0.2407,
0.0447

222.2101, 0.3092,

 0.0000, 0.2024,

0.2402

0.0000

269.2227, 0.3096,
0.2449

■ 0.0000, 0.0663,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5186, 0.3007,
0.1841

■ 34.5186, 0.3007,
0.1841

■ 29.5403, 0.2974,
0.1656

■ 41.0432, 0.3037,
0.2061

■ 25.9634, 0.2940,
0.1512

■ 49.2328, 0.3063,
0.2305

■ 23.6231, 0.2905,
0.1414

■ 59.2000, 0.3085,
0.2562

■ 22.2850, 0.2869,
0.1358

■ 71.0458, 0.3103,
0.2823

■ 22.1217, 0.2864,
0.1351

■ 84.8640, 0.3118,
0.3080

■ 99.5857, 0.3129,
0.3309

■ 99.8704, 0.3139,
0.3309

Harmonies

Analogous

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



34.5186, 0.1947, 0.1551



34.5186, 0.3007, 0.1841



34.5186, 0.4390, 0.2392

Triad

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



34.5186, 0.3007, 0.1841



34.5186, 0.4936, 0.4764



34.5186, 0.1243, 0.2831

Complementary

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



34.5186, 0.3007, 0.1841



75.6159, 0.3132, 0.5134

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.



34.5186, 0.1795, 0.4394



34.5186, 0.3007, 0.1841



34.5186, 0.3912, 0.5595

Square

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



34.5186, 0.3007, 0.1841



34.5186, 0.5576, 0.3878



34.5186, 0.2783, 0.5671



34.5186, 0.1126, 0.1915

Rectangle

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



34.5186, 0.3007, 0.1841



34.5186, 0.5177, 0.2854



34.5186, 0.2783, 0.5671



34.5186, 0.1373, 0.3296

Sweetspot

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



34.5201, 0.3007, 0.1841



72.9733, 0.3104, 0.2836



25.3281, 0.2042, 0.1659



14.8182, 0.3099, 0.2760



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.



34.5201, 0.3007, 0.1841



29.4296, 0.2969, 0.1631



35.2110, 0.3728, 0.2339



18.1687, 0.3116, 0.3054



11.8175, 0.2870, 0.1354



1.1835, 0.2911, 0.1377

Inverse Universe

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



32.4656, 0.4700, 0.3098



27.4299, 0.5208, 0.3093



75.6677, 0.2822, 0.4541



18.0270, 0.3273, 0.3258



11.1826, 0.6228, 0.3205



1.1005, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 34.5186, 0.3007, 0.1841 looks on a white background.

Color Contrast Check

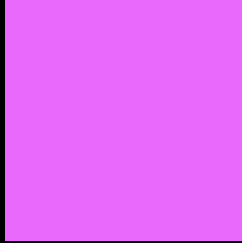
Large Text (above 18pt) WCAG AA × Fail

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 34.5186, 0.3007, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

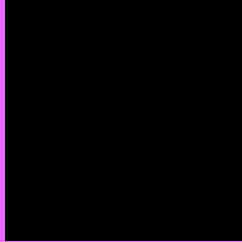
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5186, 0.3007, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 34.5186, 0.3007, 0.1841.



This preview shows how white text looks on a background with the Yxy color 34.5186, 0.3007, 0.1841.

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

34.5186, 0.3007, 0.1841

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

34.7067, 0.2233, 0.2168



Tritanopia

34.4323, 0.3959, 0.3171

Trichromacy



Original Color

34.5186, 0.3007, 0.1841



Protanomaly

32.5207, 0.2407, 0.1894



Deuteranomaly

32.5516, 0.2443, 0.1973

Tritanomaly

33.7233, 0.3592, 0.2600

Monochromacy



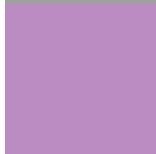
Original Color

34.5186, 0.3007, 0.1841



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.2160, 0.3090, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5186, 0.3007, 0.1841 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(233, 105, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 105, 253)  
}
```

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(233, 105, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 105, 253) }
```

Border

The CSS property to change the border of an element to Yxy 34.5186, 0.3007, 0.1841 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(233, 105, 253) }
```

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

```
.border{ border-color:rgb(233, 105, 253) }
```

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

Here you see how a box with a 4 pixel rgb(233, 105, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 105, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 105, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 105,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5186, 0.3007, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 105, 253) }
```

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

```
.background{ background-color: rgb(233,  
105, 253) }
```

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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