

Converting Colors

Yxy(34.3126, 0.3005, 0.1811)

Have a look what the booklet for
Yxy(34.3126, 0.3005, 0.1811)
contains.

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Color

Yxy(34.3849, 0.3008, 0.1813)

Conversions

Conversions Part 1

Format	Color
Hex	EB66FF
RGB	235, 102, 255
RGB Percent	92%, 40%, 100%
CMY	0.0786, 0.5998, 0.0001
CMYK	0.08, 0.60, 0.00, 0.00
HSL	292°, 100%, 70%
HSV	292°, 60%, 100%
XYZ	57.0490, 34.3849, 98.2236
YIQ	159.2090, 30.1550, 75.7790

Conversions

Conversions Part 2

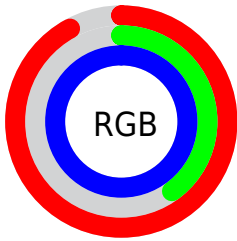
Format	Color
R_{YB}	235, 102, 255
Decimal	15427327
CIE _{Lab}	65.27, 71.48, -53.13
CIE _{LCh}	65, 89.064, 323.375
Yxy	34.3849, 0.3008, 0.1813
Android (android.graphics.Color)	4293617407 (0xFFEB66FF)
YUV	159.2090, 47.2250, 66.4687
Hunter-Lab	58.6386, 71.0433, -58.2676

Details

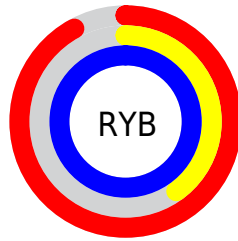
The Yxy color **34.3849, 0.3008, 0.1813** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.6132, 0.3127, 0.5186**, and the grayscale version is **34.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **14.7584, 0.2931, 0.1501** is the 20% darker color. If you saturate the color by 10%, you get **29.5561, 0.2976, 0.1634**, and if you desaturate by 10%, it is **40.7682, 0.3037, 0.2027**.

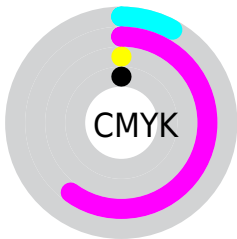
Distribution



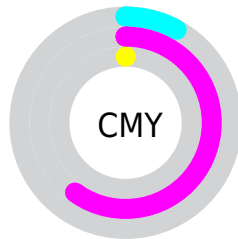
- Red (92%)
- Green (40%)
- Blue (100%)



- Red (92%)
- Yellow (40%)
- Blue (100%)



- Cyan (8%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3849, 0.3008, 0.1813 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 34.3849, 0.3008, 0.1813 by changing the saturation by 10% instead.


 34.3849, 0.3008,
0.1813


 34.3849, 0.3008,
0.1813


321.8449, 0.3102,
0.2474


 23.1894, 0.2977,
0.1672


 66.5318, 0.3048,
0.2035


 14.7335, 0.2934,
0.1504

 88.2520, 0.3062,
0.2124

 8.6325, 0.2872,
0.1303


 114.2492, 0.3073,
0.2201

 4.5023, 0.2779,
0.1061

 144.9079, 0.3081,
0.2269

 1.9583, 0.2635,
0.0773

180.6124, 0.3088,
0.2329

 0.5831, 0.2403,
0.0424

221.7472, 0.3094,

 0.0000, 0.2019,

0.2382

0.0000

268.6965, 0.3098,
0.2430

■ 0.0000, 0.0779,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3849, 0.3008,
0.1813

■ 34.3849, 0.3008,
0.1813

■ 29.5561, 0.2976,
0.1634

■ 40.7682, 0.3037,
0.2027

■ 26.1308, 0.2943,
0.1498

■ 48.8296, 0.3062,
0.2268

■ 23.9360, 0.2908,
0.1408

■ 58.6851, 0.3084,
0.2524

■ 22.6867, 0.2874,
0.1357

■ 70.4393, 0.3102,
0.2785

■ 22.6843, 0.2874,
0.1357

■ 84.1888, 0.3116,
0.3042

99.9973, 0.3127,
0.3290

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



34.3849, 0.1924, 0.1517



34.3849, 0.3008, 0.1813



34.3849, 0.4432, 0.2373

Triad

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



34.3849, 0.3008, 0.1813



34.3849, 0.4957, 0.4782



34.3849, 0.1201, 0.2804

Complementary

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



34.3849, 0.3008, 0.1813



76.6132, 0.3127, 0.5186

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.



34.3849, 0.1754, 0.4418



34.3849, 0.3008, 0.1813



34.3849, 0.3904, 0.5651

Square

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



34.3849, 0.3008, 0.1813



34.3849, 0.5628, 0.3876



34.3849, 0.2755, 0.5748



34.3849, 0.1089, 0.1876

Rectangle

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



34.3849, 0.3008, 0.1813



34.3849, 0.5240, 0.2841



34.3849, 0.2755, 0.5748



34.3849, 0.1329, 0.3280

Sweetspot

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



34.3864, 0.3008, 0.1813



73.0078, 0.3105, 0.2836



24.0745, 0.2006, 0.1581



14.8268, 0.3101, 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.



34.3864, 0.3008, 0.1813



28.7593, 0.2970, 0.1603



34.8888, 0.3780, 0.2343



18.1726, 0.3117, 0.3054



11.9018, 0.2880, 0.1360



1.1909, 0.2920, 0.1382

Inverse Universe

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



32.1767, 0.4773, 0.3102



26.6518, 0.5307, 0.3102



76.8103, 0.2807, 0.4546



18.0258, 0.3274, 0.3259



11.1792, 0.6236, 0.3209



1.0999, 0.5984, 0.3070

Previews

White Background



This preview shows how the Yxy color 34.3849, 0.3008, 0.1813 looks on a white background.

Color Contrast Check

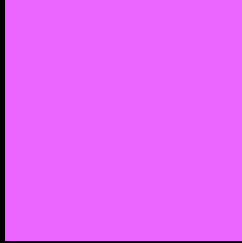
Large Text (above 18pt) WCAG AA × Fail

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 34.3849, 0.3008, 0.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

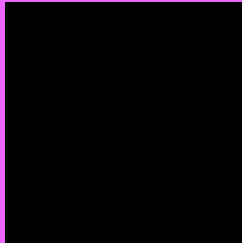
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3849, 0.3008, 0.1813

Background



This preview shows how black text looks on a background with the Yxy color 34.3849, 0.3008, 0.1813.



This preview shows how white text looks on a background with the Yxy color 34.3849, 0.3008, 0.1813.

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

34.3849, 0.3008, 0.1813

Protanopia

34.8485, 0.2180, 0.2031

Deuteranopia

34.6237, 0.2208, 0.2144



Tritanopia

33.9739, 0.4001, 0.3172

Trichromacy



Original Color

34.3849, 0.3008, 0.1813



Protanomaly

32.4054, 0.2407, 0.1877



Deuteranomaly

32.2856, 0.2423, 0.1941

Tritanomaly

33.3873, 0.3607, 0.2581

Monochromacy



Original Color

34.3849, 0.3008, 0.1813



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.6368, 0.3091, 0.2565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3849, 0.3008, 0.1813 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 102, 255)  
}
```

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, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.3849, 0.3008, 0.1813 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, 102, 255) }
```

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

```
.border{ border-color:rgb(235, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3849, 0.3008, 0.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 102, 255) }
```

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

```
.background{ background-color: rgb(235,  
102, 255) }
```

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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