

Converting Colors

$Y_{xy}(34.1849, 0.3002, 0.1870)$

Have a look what the booklet for
Yxy(34.1849, 0.3002, 0.1870)
contains.

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Color

Yxy(34.0755, 0.2995, 0.1862)

Conversions

Conversions Part 1

Format	Color
Hex	E56BFA
RGB	229, 107, 250
RGB Percent	90%, 42%, 98%
CMY	0.1022, 0.5802, 0.0197
CMYK	0.08, 0.57, 0.00, 0.02
HSL	291°, 93%, 70%
HSV	291°, 57%, 98%
XYZ	54.8099, 34.0755, 94.1194
YIQ	159.7800, 26.8090, 70.3370

Conversions

Conversions Part 2

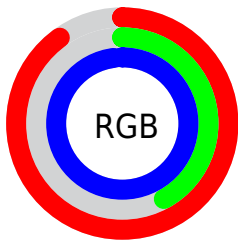
Format	Color
R _Y B	229, 107, 250
Decimal	15035386
CIE Lab	65.02, 66.94, -50.82
CIE LCh	65, 84.049, 322.793
Yxy	34.0755, 0.2995, 0.1862
Android (android.graphics.Color)	4293225466 (0xFFE56BFA)
YUV	159.7800, 44.4785, 60.7059
Hunter-Lab	58.3742, 65.4461, -54.7340

Details

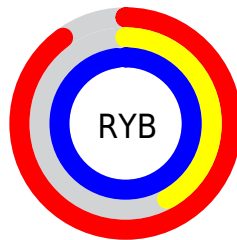
The Yxy color **34.0755, 0.2995, 0.1862** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **74.0228, 0.3143, 0.5085**, and the grayscale version is **34.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **14.5102, 0.2913, 0.1550** is the 20% darker color. If you saturate the color by 10%, you get **28.9941, 0.2959, 0.1669**, and if you desaturate by 10%, it is **40.6791, 0.3028, 0.2088**.

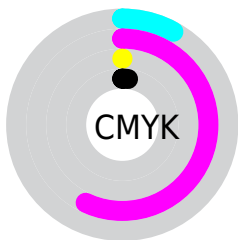
Distribution



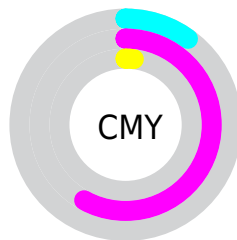
- Red (90%)
- Green (42%)
- Blue (98%)



- Red (90%)
- Yellow (42%)
- Blue (98%)



- Cyan (8%)
- Magenta (57%)
- Yellow (0%)
- Black (2%)




- Cyan (10%)
- Magenta (58%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0755, 0.2995, 0.1862 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 34.0755, 0.2995, 0.1862 by changing the saturation by 10% instead.


 34.0755, 0.2995,
0.1862


 34.0755, 0.2995,
0.1862


320.4686, 0.3093,
0.2507

 22.9516, 0.2963,
0.1723


 66.0511, 0.3037,
0.2080


 14.5578, 0.2919,
0.1556


 87.6715, 0.3051,
0.2167

 8.5096, 0.2856,
0.1354


 113.5596, 0.3062,
0.2242

 4.4227, 0.2762,
0.1109

 144.0998, 0.3071,
0.2309

 1.9127, 0.2614,
0.0814

179.6763, 0.3078,
0.2367

 0.5560, 0.2376,
0.0444

220.6737, 0.3084,

 0.0000, 0.1974,

0.2419

0.0000

267.4763, 0.3089,
0.2466

■ 0.0000, 0.0286,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0755, 0.2995,
0.1862

■ 34.0755, 0.2995,
0.1862

■ 28.9941, 0.2959,
0.1669

■ 40.6791, 0.3028,
0.2088

■ 25.2967, 0.2921,
0.1517

■ 48.9185, 0.3056,
0.2336

■ 22.8274, 0.2882,
0.1410

■ 58.9014, 0.3081,
0.2595

■ 21.3835, 0.2844,
0.1348

■ 70.7253, 0.3101,
0.2857

21.0740, 0.2833,
0.1334

84.4800, 0.3118,
0.3113

98.9354, 0.3131,
0.3338

99.6258, 0.3154,
0.3338

99.6813, 0.3156,
0.3338

Harmonies

Analogous

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



34.0755, 0.1961, 0.1579



34.0755, 0.2995, 0.1862



34.0755, 0.4342, 0.2403

Triad

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



34.0755, 0.2995, 0.1862



34.0755, 0.4924, 0.4738



34.0755, 0.1283, 0.2866

Complementary

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



34.0755, 0.2995, 0.1862



74.0228, 0.3143, 0.5085

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.



34.0755, 0.1839, 0.4387



34.0755, 0.2995, 0.1862



34.0755, 0.3926, 0.5541

Square

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



34.0755, 0.2995, 0.1862



34.0755, 0.5532, 0.3872



34.0755, 0.2816, 0.5611



34.0755, 0.1159, 0.1954

Rectangle

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



34.0755, 0.2995, 0.1862



34.0755, 0.5114, 0.2859



34.0755, 0.2816, 0.5611



34.0755, 0.1415, 0.3322

Sweetspot

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



34.0770, 0.2995, 0.1862



74.2016, 0.3102, 0.2861



25.5989, 0.2068, 0.1702



15.3143, 0.3098, 0.2809



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.



34.0770, 0.2995, 0.1862



29.4924, 0.2952, 0.1637



35.0172, 0.3708, 0.2357



17.3875, 0.3114, 0.3055



11.2294, 0.2839, 0.1338



1.0742, 0.2886, 0.1363

Inverse Universe

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



32.4101, 0.4621, 0.3082



27.8782, 0.5134, 0.3072



73.9294, 0.2825, 0.4507



17.2668, 0.3271, 0.3255



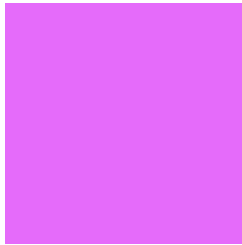
10.8633, 0.6202, 0.3190



1.0182, 0.5920, 0.3035

Previews

White Background



This preview shows how the Yxy color 34.0755, 0.2995, 0.1862 looks on a white background.

Color Contrast Check

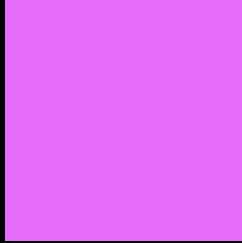
Large Text (above 18pt) WCAG AA × Fail

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 34.0755, 0.2995, 0.1862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

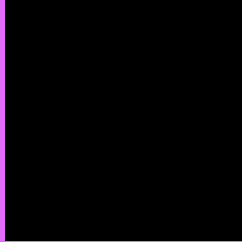
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0755, 0.2995, 0.1862

Background



This preview shows how black text looks on a background with the Yxy color 34.0755, 0.2995, 0.1862.



This preview shows how white text looks on a background with the Yxy color 34.0755, 0.2995, 0.1862.

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

34.0755, 0.2995, 0.1862

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.3164, 0.2245, 0.2176



Tritanopia

33.8194, 0.3916, 0.3169

Trichromacy



Original Color

34.0755, 0.2995, 0.1862



Protanomaly

32.5379, 0.2400, 0.1908



Deuteranomaly

32.2660, 0.2454, 0.1996



Tritanomaly

33.3018, 0.3560, 0.2611

Monochromacy



Original Color

34.0755, 0.2995, 0.1862



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.2143, 0.3079, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0755, 0.2995, 0.1862 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(229, 107, 250)` looks like.

```
.text, #text, p{  
    color:rgb(229, 107, 250)  
}
```

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(229, 107, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 107, 250) }
```

Border

The CSS property to change the border of an element to Yxy 34.0755, 0.2995, 0.1862 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(229, 107, 250) }
```

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

```
.border{ border-color:rgb(229, 107, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 107, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 107, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 107, 250);  
box-shadow:4px 4px 4px 4px rgb(229, 107,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0755, 0.2995, 0.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 107, 250) }
```

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

```
.background{ background-color: rgb(229,  
107, 250) }
```

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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