

Converting Colors

$Y_{xy}(34.5801, 0.3106, 0.1973)$

Have a look what the booklet for
Yxy(34.5801, 0.3106, 0.1973)
contains.

Yxy(34.4321, 0.3102, 0.1968)	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(34.4321, 0.3102, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	E76EF0
RGB	231, 110, 240
RGB Percent	91%, 43%, 94%
CMY	0.0940, 0.5688, 0.0587
CMYK	0.04, 0.54, 0.00, 0.06
HSL	296°, 81%, 69%
HSV	296°, 54%, 94%
XYZ	54.2725, 34.4321, 86.2552
YIQ	160.9990, 30.3860, 66.0820

Conversions

Conversions Part 2

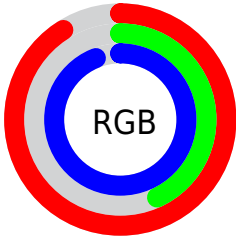
Format	Color
R _Y B	231, 110, 240
Decimal	15167216
CIE Lab	65.30, 64.36, -44.88
CIE LCh	65, 78.463, 325.114
Yxy	34.4321, 0.3102, 0.1968
Android (android.graphics.Color)	4293357296 (0xFFE76EF0)
YUV	160.9990, 38.9475, 61.3909
Hunter-Lab	58.6789, 62.4080, -46.0783

Details

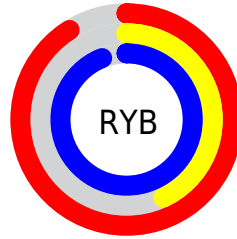
The Yxy color **34.4321, 0.3102, 0.1968** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **67.3893, 0.3091, 0.5009**, and the grayscale version is **35.4430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **14.7591, 0.3069, 0.1677** is the 20% darker color. If you saturate the color by 10%, you get **29.6633, 0.3090, 0.1780**, and if you desaturate by 10%, it is **40.6089, 0.3112, 0.2188**.

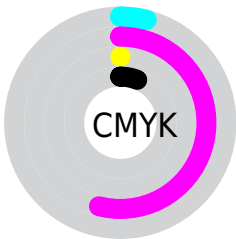
Distribution



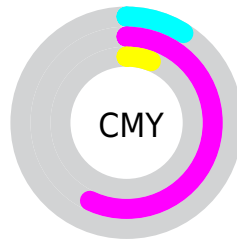
- Red (91%)
- Green (43%)
- Blue (94%)



- Red (91%)
- Yellow (43%)
- Blue (94%)



- Cyan (4%)
- Magenta (54%)
- Yellow (0%)
- Black (6%)




- Cyan (9%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4321, 0.3102, 0.1968 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 34.4321, 0.3102, 0.1968 by changing the saturation by 10% instead.

 34.4321, 0.3102,
0.1968


 34.4321, 0.3102,
0.1968


322.0545, 0.3143,
0.2574

 23.2257, 0.3085,
0.1835


 66.6051, 0.3123,
0.2175

 14.7603, 0.3059,
0.1673


 88.3405, 0.3129,
0.2256

 8.6513, 0.3019,
0.1476

 114.3543, 0.3133,
0.2327

 4.5145, 0.2956,
0.1232

145.0310, 0.3137,
0.2389

 1.9653, 0.2848,
0.0930

180.7550, 0.3139,
0.2443

 0.5872, 0.2663,
0.0540

221.9107, 0.3141,

 0.0000, 0.2325,

0.2492

0.0000

268.8824, 0.3142,
0.2535

■ 0.0000, 0.0172,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4321, 0.3102,
0.1968

■ 34.4321, 0.3102,
0.1968

■ 29.6633, 0.3090,
0.1780

■ 40.6089, 0.3112,
0.2188

■ 26.1818, 0.3076,
0.1632

■ 48.2925, 0.3119,
0.2429

■ 23.8544, 0.3060,
0.1527


■ 57.5778, 0.3124,
0.2682

■ 22.5164, 0.3043,
0.1466


■ 68.5507, 0.3126,
0.2938

 22.0494, 0.3033,
0.1445

 81.2912, 0.3127,
0.3188

 95.8739, 0.3127,
0.3428

 96.8094, 0.3137,
0.3437

 97.1059, 0.3147,
0.3437

 97.4050, 0.3157,
0.3436

Harmonies

Analogous

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



34.4321, 0.2089, 0.1674



34.4321, 0.3102, 0.1968



34.4321, 0.4357, 0.2506

Triad

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



34.4321, 0.3102, 0.1968



34.4321, 0.4790, 0.4762



34.4321, 0.1359, 0.2821

Complementary

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



34.4321, 0.3102, 0.1968



67.3893, 0.3091, 0.5009

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.



34.4321, 0.1868, 0.4191



34.4321, 0.3102, 0.1968



34.4321, 0.3839, 0.5449

Square

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



34.4321, 0.3102, 0.1968



34.4321, 0.5379, 0.3942



34.4321, 0.2781, 0.5379



34.4321, 0.1257, 0.1995

Rectangle

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



34.4321, 0.3102, 0.1968



34.4321, 0.5046, 0.2952



34.4321, 0.2781, 0.5379



34.4321, 0.1478, 0.3230

Sweetspot

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



34.4336, 0.3102, 0.1968



76.1427, 0.3126, 0.2890



23.2343, 0.2105, 0.1688



15.7229, 0.3125, 0.2837



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.



34.4336, 0.3102, 0.1968



33.5550, 0.3089, 0.1763



33.2157, 0.3767, 0.2484



15.9725, 0.3127, 0.3057



12.0897, 0.3036, 0.1446



1.0223, 0.3060, 0.1460

Inverse Universe

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



31.0084, 0.4627, 0.3199



29.3806, 0.5128, 0.3194



68.3436, 0.2792, 0.4306



15.7766, 0.3282, 0.3274



10.1693, 0.6327, 0.3259



0.8521, 0.6143, 0.3158

Previews

White Background



This preview shows how the Yxy color 34.4321, 0.3102, 0.1968 looks on a white background.

Color Contrast Check

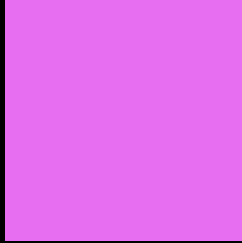
Large Text (above 18pt) WCAG AA × Fail

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 34.4321, 0.3102, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

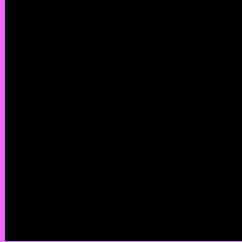
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4321, 0.3102, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 34.4321, 0.3102, 0.1968.



This preview shows how white text looks on a background with the Yxy color 34.4321, 0.3102, 0.1968.

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

34.4321, 0.3102, 0.1968

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

34.9470, 0.2358, 0.2299



Tritanopia

34.4323, 0.3959, 0.3171

Trichromacy



Original Color

34.4321, 0.3102, 0.1968



Protanomaly

32.8409, 0.2433, 0.1950



Deuteranomaly

33.1549, 0.2575, 0.2122



Tritanomaly

33.9050, 0.3623, 0.2663

Monochromacy



Original Color

34.4321, 0.3102, 0.1968



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.5028, 0.3117, 0.2662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4321, 0.3102, 0.1968 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(231, 110, 240)` looks like.

```
.text, #text, p{  
    color:rgb(231, 110, 240)  
}
```

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(231, 110, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 110, 240) }
```

Border

The CSS property to change the border of an element to Yxy 34.4321, 0.3102, 0.1968 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(231, 110, 240) }
```

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

```
.border{ border-color:rgb(231, 110, 240) }
```

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

Here you see how a box with a 4 pixel rgb(231, 110, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 110, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 110, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 110,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4321, 0.3102, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 110, 240) }
```

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

```
.background{ background-color: rgb(231,  
110, 240) }
```

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