

Converting Colors

$Y_{xy}(34.1116, 0.2971, 0.1812)$

Have a look what the booklet for
Yxy(34.1116, 0.2971, 0.1812)
contains.

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Color

Yxy(34.1096, 0.2971, 0.1811)

Conversions

Conversions Part 1

Format	Color
Hex	E768FF
RGB	231, 104, 255
RGB Percent	91%, 41%, 100%
CMY	0.0942, 0.5921, 0.0000
CMYK	0.09, 0.59, 0.00, 0.00
HSL	290°, 100%, 70%
HSV	290°, 59%, 100%
XYZ	55.9578, 34.1096, 98.2793
YIQ	159.1870, 27.2210, 73.8850

Conversions

Conversions Part 2

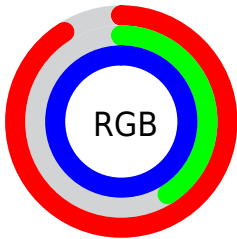
Format	Color
R _Y B	231, 104, 255
Decimal	15165695
CIE _{Lab}	65.05, 69.71, -53.54
CIE _{LCh}	65, 87.900, 322.472
Y _{xy}	34.1096, 0.2971, 0.1811
Android (android.graphics.Color)	4293355775 (0xFFE768FF)
YUV	159.1870, 47.2358, 62.9800
Hunter-Lab	58.4034, 68.8195, -58.8888

Details

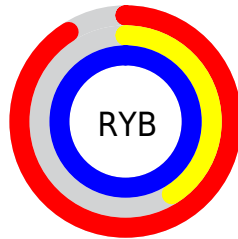
The Yxy color **34.1096, 0.2971, 0.1811** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.1098, 0.3149, 0.5149**, and the grayscale version is **34.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **14.5756, 0.2882, 0.1496** is the 20% darker color. If you saturate the color by 10%, you get **29.0606, 0.2931, 0.1624**, and if you desaturate by 10%, it is **40.7228, 0.3008, 0.2034**.

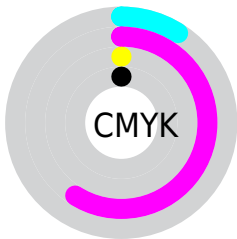
Distribution



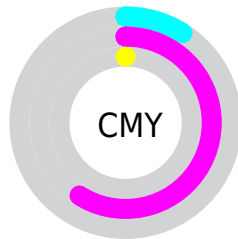
- Red (91%)
- Green (41%)
- Blue (100%)



- Red (91%)
- Yellow (41%)
- Blue (100%)



- Cyan (9%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1096, 0.2971, 0.1811 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 34.1096, 0.2971, 0.1811 by changing the saturation by 10% instead.


 34.1096, 0.2971,
0.1811


 34.1096, 0.2971,
0.1811


320.6205, 0.3083,
0.2474

 22.9778, 0.2936,
0.1669


 66.1041, 0.3018,
0.2034


 14.5771, 0.2887,
0.1501


 87.7355, 0.3034,
0.2123

 8.5231, 0.2818,
0.1299


 113.6357, 0.3047,
0.2200

 4.4315, 0.2717,
0.1055

 144.1889, 0.3057,
0.2268

 1.9177, 0.2561,
0.0766

179.7796, 0.3065,
0.2329

 0.5590, 0.2315,
0.0412

220.7922, 0.3072,

 0.0000, 0.1909,

0.2382

0.0000

267.6110, 0.3078,
0.2430

■ 0.0000, 0.0528,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1096, 0.2971,
0.1811

■ 34.1096, 0.2971,
0.1811

■ 29.0606, 0.2931,
0.1624

■ 40.7228, 0.3008,
0.2034

■ 25.4352, 0.2890,
0.1478

■ 49.0314, 0.3041,
0.2280

■ 23.0599, 0.2847,
0.1379

■ 59.1478, 0.3070,
0.2540

■ 21.6756, 0.2805,
0.1321

■ 71.1759, 0.3093,
0.2803

■ 21.5841, 0.2802,
0.1317

■ 85.2117, 0.3113,
0.3061

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.1096, 0.1909, 0.1525



34.1096, 0.2971, 0.1811



34.1096, 0.4378, 0.2361

Triad

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



34.1096, 0.2971, 0.1811



34.1096, 0.4975, 0.4749



34.1096, 0.1225, 0.2851

Complementary

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



34.1096, 0.2971, 0.1811



77.1098, 0.3149, 0.5149

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.



34.1096, 0.1792, 0.4458



34.1096, 0.2971, 0.1811



34.1096, 0.3939, 0.5613

Square

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



34.1096, 0.2971, 0.1811



34.1096, 0.5618, 0.3854



34.1096, 0.2797, 0.5737



34.1096, 0.1100, 0.1907

Rectangle

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



34.1096, 0.2971, 0.1811



34.1096, 0.5190, 0.2825



34.1096, 0.2797, 0.5737



34.1096, 0.1358, 0.3329

Sweetspot

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



34.1082, 0.2971, 0.1811



72.7719, 0.3096, 0.2835



25.9082, 0.2034, 0.1666



14.7684, 0.3090, 0.2758



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.



34.1082, 0.2971, 0.1811



28.3136, 0.2924, 0.1594



35.5529, 0.3709, 0.2307



18.1455, 0.3112, 0.3054



11.3329, 0.2809, 0.1321



1.1409, 0.2857, 0.1348

Inverse Universe

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



32.7200, 0.4685, 0.3061



27.1249, 0.5193, 0.3054



76.8075, 0.2831, 0.4594



18.0342, 0.3269, 0.3252



11.2047, 0.6179, 0.3177



1.1038, 0.5903, 0.3026

Previews

White Background



This preview shows how the Yxy color 34.1096, 0.2971, 0.1811 looks on a white background.

Color Contrast Check

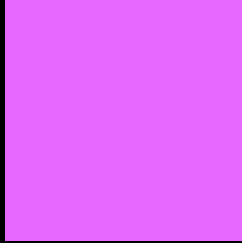
Large Text (above 18pt) WCAG AA × Fail

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 34.1096, 0.2971, 0.1811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

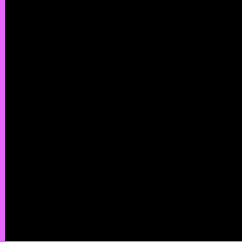
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1096, 0.2971, 0.1811

Background



This preview shows how black text looks on a background with the Yxy color 34.1096, 0.2971, 0.1811.



This preview shows how white text looks on a background with the Yxy color 34.1096, 0.2971, 0.1811.

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

34.1096, 0.2971, 0.1811

Protanopia

34.4446, 0.2172, 0.2016

Deuteranopia

34.5570, 0.2203, 0.2143



Tritanopia

33.9712, 0.3927, 0.3169

Trichromacy



Original Color

34.1096, 0.2971, 0.1811



Protanomaly

32.0974, 0.2385, 0.1869



Deuteranomaly

32.0844, 0.2408, 0.1936

Tritanomaly

33.2902, 0.3550, 0.2581

Monochromacy



Original Color

34.1096, 0.2971, 0.1811



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.6746, 0.3070, 0.2574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1096, 0.2971, 0.1811 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, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 104, 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(231, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.1096, 0.2971, 0.1811 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, 104, 255) }
```

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

```
.border{ border-color:rgb(231, 104, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 104, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 104,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1096, 0.2971, 0.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 104, 255) }
```

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

```
.background{ background-color: rgb(231,  
104, 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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