

Converting Colors

$Yxy(41.6354, 0.3034, 0.2056)$

Have a look what the booklet for
Yxy(41.6354, 0.3034, 0.2056)
contains.

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Color

Yxy(41.6297, 0.3034, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	EE83FF
RGB	238, 131, 255
RGB Percent	93%, 51%, 100%
CMY	0.0666, 0.4863, 0.0000
CMYK	0.07, 0.49, 0.00, 0.00
HSL	292°, 100%, 76%
HSV	292°, 49%, 100%
XYZ	61.4322, 41.6297, 99.4172
YIQ	177.1290, 23.9680, 61.2480

Conversions

Conversions Part 2

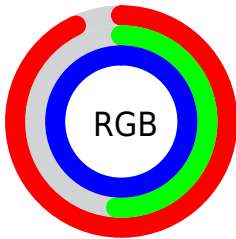
Format	Color
R_{YB}	238, 131, 255
Decimal	15631359
CIE _{Lab}	70.61, 58.96, -44.69
CIE _{LCh}	71, 73.987, 322.840
Yxy	41.6297, 0.3034, 0.2056
Android (android.graphics.Color)	4293821439 (0xFFEE83FF)
YUV	177.1290, 38.3904, 53.3839
Hunter-Lab	64.5211, 57.0425, -46.1922

Details

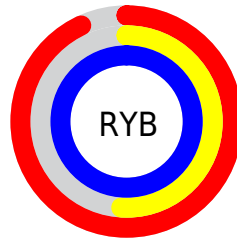
The Yxy color **41.6297, 0.3034, 0.2056** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.4518, 0.3144, 0.4798**, and the grayscale version is **43.8224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **18.9494, 0.2982, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **35.0052, 0.3004, 0.1836**, and if you desaturate by 10%, it is **49.9528, 0.3061, 0.2300**.

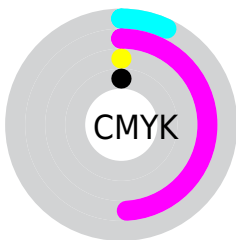
Distribution



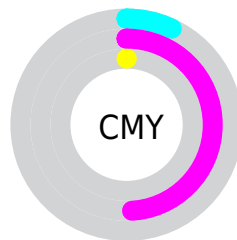
- Red (93%)
- Green (51%)
- Blue (100%)



- Red (93%)
- Yellow (51%)
- Blue (100%)



- Cyan (7%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6297, 0.3034, 0.2056 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 41.6297, 0.3034, 0.2056 by changing the saturation by 10% instead.


 41.6297, 0.3034,
0.2056

 41.6297, 0.3034,
0.2056


352.9456, 0.3103,
0.2610


 28.8114, 0.3012,
0.1936


 77.6389, 0.3063,
0.2244

 18.9382, 0.2981,
0.1791

 101.5986, 0.3073,
0.2318

 11.6257, 0.2938,
0.1615


 130.0409, 0.3081,
0.2383

 6.4893, 0.2873,
0.1397

163.3503, 0.3087,
0.2440

 3.1448, 0.2772,
0.1125

201.9110, 0.3092,
0.2490

 1.2078, 0.2603,
0.0789

246.1076, 0.3097,

 0.0681, 0.2375,

0.2534

0.0095

296.3243, 0.3100,
0.2574

0.0000, 0.1583,
0.0000

0.0000, 0.0000,
0.0000

41.6297, 0.3034,
0.2056

41.6297, 0.3034,
0.2056

35.0052, 0.3004,
0.1836

49.9528, 0.3061,
0.2300

29.9507, 0.2971,
0.1651

60.0851, 0.3083,
0.2558

26.3236, 0.2936,
0.1508

72.1308, 0.3102,
0.2819

23.9537, 0.2900,
0.1410

86.1856, 0.3117,
0.3076

■ 22.5988, 0.2864,
0.1355

100.0000, 0.3127,
0.3290

■ 22.4483, 0.2859,
0.1348

Harmonies

Analogous

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



41.6297, 0.2138, 0.1801



41.6297, 0.3034, 0.2056



41.6297, 0.4142, 0.2543

Triad

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



41.6297, 0.3034, 0.2056



41.6297, 0.4722, 0.4617



41.6297, 0.1543, 0.2972

Complementary

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



41.6297, 0.3034, 0.2056



79.4518, 0.3144, 0.4798

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.



41.6297, 0.2060, 0.4180



41.6297, 0.3034, 0.2056



41.6297, 0.3889, 0.5202

Square

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



41.6297, 0.3034, 0.2056



41.6297, 0.5181, 0.3883



41.6297, 0.2922, 0.5149



41.6297, 0.1409, 0.2172

Rectangle

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



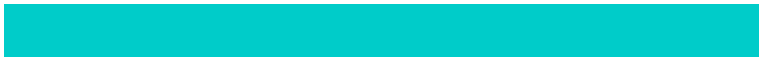
41.6297, 0.3034, 0.2056



41.6297, 0.4774, 0.2957



41.6297, 0.2922, 0.5149



41.6297, 0.1670, 0.3346

Sweetspot

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



41.6305, 0.3034, 0.2056



76.9970, 0.3108, 0.2914



33.7274, 0.2236, 0.1971



15.8689, 0.3105, 0.2859



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.



41.6305, 0.3034, 0.2056



35.3754, 0.3006, 0.1849



42.2233, 0.3592, 0.2479



18.1668, 0.3116, 0.3054



11.7785, 0.2865, 0.1352



1.1801, 0.2906, 0.1375

Inverse Universe

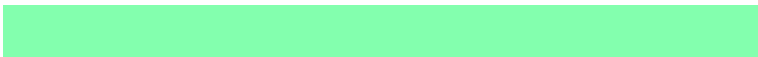
The Inverse Universe completely reimagines the original color for something new.



39.6274, 0.4304, 0.3118



33.3378, 0.4677, 0.3096



79.4160, 0.2854, 0.4293



18.0276, 0.3273, 0.3258



11.1842, 0.6224, 0.3203



1.1008, 0.5966, 0.3060

Previews

White Background



This preview shows how the Yxy color 41.6297, 0.3034, 0.2056 looks on a white background.

Color Contrast Check

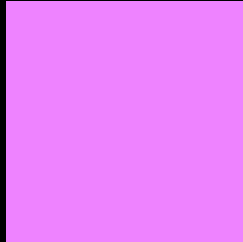
Large Text (above 18pt) WCAG AA × Fail

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 41.6297, 0.3034, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

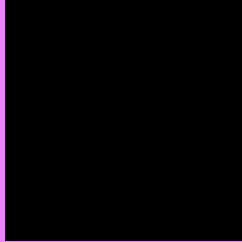
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6297, 0.3034, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 41.6297, 0.3034, 0.2056.



This preview shows how white text looks on a background with the Yxy color 41.6297, 0.3034, 0.2056.

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

41.6297, 0.3034, 0.2056

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.9229, 0.2403, 0.2333



Tritanopia

41.6316, 0.3757, 0.3163

Trichromacy



Original Color

41.6297, 0.3034, 0.2056



Protanomaly

40.4619, 0.2560, 0.2145



Deuteranomaly

40.3257, 0.2592, 0.2183

Tritanomaly

41.1050, 0.3478, 0.2706

Monochromacy



Original Color

41.6297, 0.3034, 0.2056



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.6915, 0.3098, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6297, 0.3034, 0.2056 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(238, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 131, 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(238, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6297, 0.3034, 0.2056 is called "border". The border property can be set on classes, ids or directly on the HTML element.

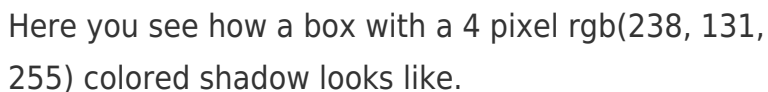
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 131, 255) }
```

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

```
.border{ border-color:rgb(238, 131, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 131, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 131, 255); box-shadow:4px 4px 4px 4px rgb(238, 131, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6297, 0.3034, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 131, 255) }
```

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

```
.background{ background-color: rgb(238,  
131, 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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