

Converting Colors

$Y_{xy}(40.8054, 0.3041, 0.2151)$

Have a look what the booklet for
Yxy(40.8054, 0.3041, 0.2151)
contains.

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Color

Yxy(41.0239, 0.3045, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	E688F5
RGB	230, 136, 245
RGB Percent	90%, 53%, 96%
CMY	0.0981, 0.4666, 0.0392
CMYK	0.06, 0.44, 0.00, 0.04
HSL	292°, 84%, 75%
HSV	292°, 44%, 96%
XYZ	57.9127, 41.0239, 91.2530
YIQ	176.5320, 21.0350, 53.8270

Conversions

Conversions Part 2

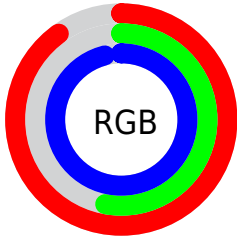
Format	Color
R _Y B	230, 136, 245
Decimal	15108341
CIE Lab	70.19, 52.37, -39.96
CIE LCh	70, 65.868, 322.656
Yxy	41.0239, 0.3045, 0.2157
Android (android.graphics.Color)	4293298421 (0xFFE688F5)
YUV	176.5320, 33.7547, 46.8914
Hunter-Lab	64.0499, 49.3091, -39.6365

Details

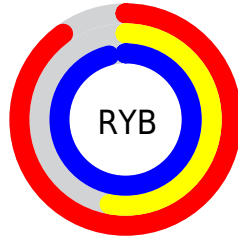
The Yxy color **41.0239, 0.3045, 0.2157** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.6676, 0.3148, 0.4650**, and the grayscale version is **43.5223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **18.5880, 0.2996, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **34.3410, 0.3016, 0.1926**, and if you desaturate by 10%, it is **49.2983, 0.3070, 0.2408**.

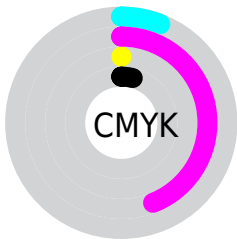
Distribution



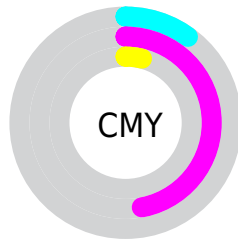
- Red (90%)
- Green (53%)
- Blue (96%)



- Red (90%)
- Yellow (53%)
- Blue (96%)



- Cyan (6%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)





- Cyan (10%)
- Magenta (47%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0239, 0.3045, 0.2157 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 41.0239, 0.3045, 0.2157 by changing the saturation by 10% instead.

 41.0239, 0.3045,
0.2157

 41.0239, 0.3045,
0.2157

350.4205, 0.3105,
0.2675

 28.3378, 0.3025,
0.2042


 76.7202, 0.3071,
0.2334

 18.5804, 0.2998,
0.1903


 100.4991, 0.3079,
0.2404

 11.3675, 0.2959,
0.1731


 128.7444, 0.3086,
0.2464

 6.3146, 0.2900,
0.1515

161.8405, 0.3092,
0.2517

 3.0373, 0.2806,
0.1239

200.1717, 0.3096,
0.2564

 1.1512, 0.2645,
0.0887

244.1226, 0.3100,

 0.0213, 0.2448,

0.2605

0.0038

294.0774, 0.3103,
0.2642

■ 0.0000, 0.1224,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0239, 0.3045,
0.2157

■ 41.0239, 0.3045,
0.2157

■ 34.3410, 0.3016,
0.1926

■ 49.2983, 0.3070,
0.2408

■ 29.1353, 0.2984,
0.1725


■ 59.2575, 0.3091,
0.2668

■ 25.2858, 0.2949,
0.1563

■ 70.9939, 0.3109,
0.2928

■ 22.6500, 0.2913,
0.1446


■ 84.5916, 0.3122,
0.3180

 21.0531, 0.2877,
0.1374

 97.8624, 0.3134,
0.3387

 20.4745, 0.2857,
0.1348

 98.4817, 0.3155,
0.3387

 99.1121, 0.3176,
0.3386

 99.3727, 0.3185,
0.3386

Harmonies

Analogous

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



41.0239, 0.2226, 0.1921



41.0239, 0.3045, 0.2157



41.0239, 0.4035, 0.2611

Triad

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



41.0239, 0.3045, 0.2157



41.0239, 0.4604, 0.4529



41.0239, 0.1684, 0.3027

Complementary

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



41.0239, 0.3045, 0.2157



73.6676, 0.3148, 0.4650

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.



41.0239, 0.2175, 0.4088



41.0239, 0.3045, 0.2157



41.0239, 0.3856, 0.5016

Square

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



41.0239, 0.3045, 0.2157



41.0239, 0.4991, 0.3865



41.0239, 0.2971, 0.4931



41.0239, 0.1546, 0.2289

Rectangle

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



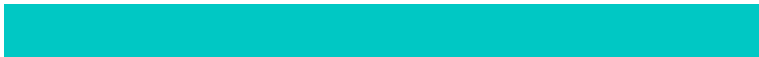
41.0239, 0.3045, 0.2157



41.0239, 0.4599, 0.2998



41.0239, 0.2971, 0.4931



41.0239, 0.1807, 0.3361

Sweetspot

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



41.0257, 0.3045, 0.2157



79.7864, 0.3111, 0.2965



34.4044, 0.2322, 0.2106



16.4181, 0.3107, 0.2908



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.



41.0257, 0.3045, 0.2157



38.5126, 0.3020, 0.1956



41.5248, 0.3537, 0.2545



16.6457, 0.3116, 0.3055



11.0753, 0.2863, 0.1351



1.0047, 0.2909, 0.1376

Inverse Universe

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



39.2625, 0.4149, 0.3130



36.5059, 0.4471, 0.3105



73.6041, 0.2872, 0.4188



16.5197, 0.3272, 0.3258



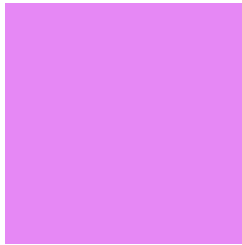
10.5310, 0.6219, 0.3200



0.9369, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 41.0239, 0.3045, 0.2157 looks on a white background.

Color Contrast Check

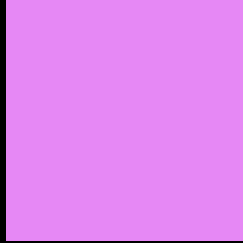
Large Text (above 18pt) WCAG AA × Fail

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 41.0239, 0.3045, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

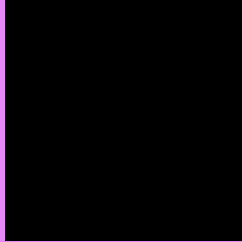
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0239, 0.3045, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 41.0239, 0.3045, 0.2157.



This preview shows how white text looks on a background with the Yxy color 41.0239, 0.3045, 0.2157.

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

41.0239, 0.3045, 0.2157

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.4655, 0.2481, 0.2419



Tritanopia

40.9244, 0.3664, 0.3147

Trichromacy



Original Color

41.0239, 0.3045, 0.2157



Protanomaly

40.0776, 0.2557, 0.2184



Deuteranomaly

40.3883, 0.2659, 0.2300



Tritanomaly

40.4955, 0.3427, 0.2736

Monochromacy



Original Color

41.0239, 0.3045, 0.2157



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.8407, 0.3096, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0239, 0.3045, 0.2157 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(230, 136, 245)` looks like.

```
.text, #text, p{  
    color:rgb(230, 136, 245)  
}
```

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(230, 136, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 136, 245) }
```

Border

The CSS property to change the border of an element to Yxy 41.0239, 0.3045, 0.2157 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(230, 136, 245) }
```

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

```
.border{ border-color:rgb(230, 136, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 136, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 136, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 136, 245);  
box-shadow:4px 4px 4px 4px rgb(230, 136,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0239, 0.3045, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 136, 245) }
```

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

```
.background{ background-color: rgb(230,  
136, 245) }
```

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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