

Converting Colors

$Y_{xy}(41.1849, 0.2885, 0.2034)$

Have a look what the booklet for
Yxy(41.1849, 0.2885, 0.2034)
contains.

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Color

Yxy(40.9586, 0.2914, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	E089FF
RGB	224, 137, 255
RGB Percent	88%, 54%, 100%
CMY	0.1214, 0.4628, 0.0001
CMYK	0.12, 0.46, 0.00, 0.00
HSL	284°, 100%, 77%
HSV	284°, 46%, 100%
XYZ	57.7423, 40.9586, 99.4539
YIQ	176.4650, 13.9740, 55.1420

Conversions

Conversions Part 2

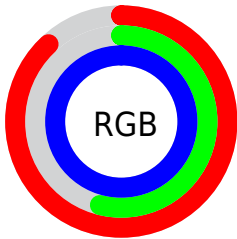
Format	Color
R_{YB}	224, 137, 255
Decimal	14715391
CIE _{Lab}	70.15, 52.15, -45.52
CIE _{LCh}	70, 69.221, 318.880
Yxy	40.9586, 0.2914, 0.2067
Android (android.graphics.Color)	4292905471 (0xFFE089FF)
YUV	176.4650, 38.7178, 41.6882
Hunter-Lab	63.9989, 49.0516, -47.3371

Details

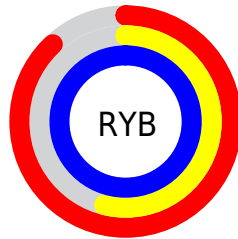
The Yxy color **40.9586, 0.2914, 0.2067** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.6310, 0.3233, 0.4679**, and the grayscale version is **43.4607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **18.6334, 0.2833, 0.1802** is the 20% darker color. If you saturate the color by 10%, you get **33.5008, 0.2849, 0.1818**, and if you desaturate by 10%, it is **50.1744, 0.2973, 0.2334**.

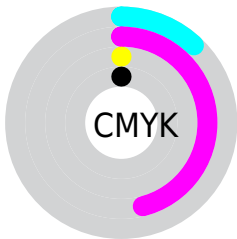
Distribution



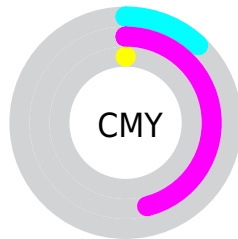
- Red (88%)
- Green (54%)
- Blue (100%)



- Red (88%)
- Yellow (54%)
- Blue (100%)



- Cyan (12%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9586, 0.2914, 0.2067 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 40.9586, 0.2914, 0.2067 by changing the saturation by 10% instead.


 40.9586, 0.2914,
0.2067


 40.9586, 0.2914,
0.2067


350.1476, 0.3040,
0.2621

 28.2867, 0.2879,
0.1946


 76.6210, 0.2963,
0.2255

 18.5419, 0.2832,
0.1800


 100.3804, 0.2981,
0.2330

 11.3398, 0.2767,
0.1621


 128.6044, 0.2995,
0.2394

 6.2958, 0.2676,
0.1400

161.6774, 0.3007,
0.2451

 3.0258, 0.2539,
0.1123

199.9838, 0.3018,
0.2501

 1.1452, 0.2321,
0.0780

243.9081, 0.3026,

 0.0163, 0.2029,

0.2545

0.0024

293.8345, 0.3034,
0.2585

■ 0.0000, 0.0894,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9586, 0.2914,
0.2067

■ 40.9586, 0.2914,
0.2067

■ 33.5008, 0.2849,
0.1818

■ 50.1744, 0.2973,
0.2334

■ 27.6728, 0.2779,
0.1598

■ 61.2541, 0.3025,
0.2606

■ 23.3371, 0.2708,
0.1417

■ 74.3011, 0.3070,
0.2876

■ 20.3307, 0.2636,
0.1284

■ 89.4097, 0.3107,
0.3135

■ 18.4506, 0.2566,
0.1198

99.9988, 0.3127,
0.3290

■ 17.9251, 0.2541,
0.1174

Harmonies

Analogous

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



40.9586, 0.2102, 0.1855



40.9586, 0.2914, 0.2067



40.9586, 0.3950, 0.2511

Triad

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



40.9586, 0.2914, 0.2067



40.9586, 0.4737, 0.4483



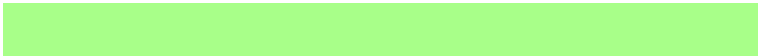
40.9586, 0.1664, 0.3134

Complementary

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



40.9586, 0.2914, 0.2067



81.6310, 0.3233, 0.4679

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.



40.9586, 0.2216, 0.4275



40.9586, 0.2914, 0.2067



40.9586, 0.3985, 0.5053

Square

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



40.9586, 0.2914, 0.2067



40.9586, 0.5089, 0.3785



40.9586, 0.3069, 0.5084



40.9586, 0.1484, 0.2311

Rectangle

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



40.9586, 0.2914, 0.2067



40.9586, 0.4577, 0.2900



40.9586, 0.3069, 0.5084



40.9586, 0.1806, 0.3500

Sweetspot

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



40.9603, 0.2914, 0.2067



77.5672, 0.3079, 0.2936



40.7089, 0.2315, 0.2220



15.9416, 0.3070, 0.2879



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.



40.9603, 0.2914, 0.2067



33.6892, 0.2851, 0.1824



44.7152, 0.3427, 0.2390



18.0467, 0.3096, 0.3053



9.4440, 0.2552, 0.1180



0.9724, 0.2630, 0.1222

Inverse Universe

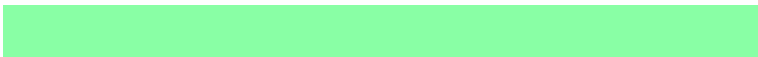
The Inverse Universe completely reimagines the original color for something new.



41.9688, 0.4051, 0.2970



35.0832, 0.4366, 0.2916



79.5247, 0.2930, 0.4411



18.0653, 0.3253, 0.3228



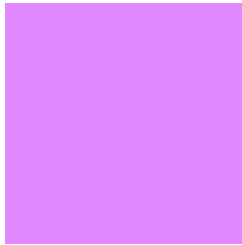
11.3404, 0.5897, 0.3022



1.1212, 0.5580, 0.2847

Previews

White Background



This preview shows how the Yxy color 40.9586, 0.2914, 0.2067 looks on a white background.

Color Contrast Check

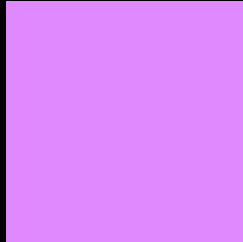
Large Text (above 18pt) WCAG AA × Fail

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 40.9586, 0.2914, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

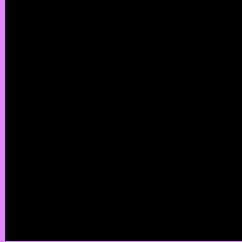
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9586, 0.2914, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 40.9586, 0.2914, 0.2067.



This preview shows how white text looks on a background with the Yxy color 40.9586, 0.2914, 0.2067.

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

40.9586, 0.2914, 0.2067

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.2517, 0.2371, 0.2304



Tritanopia

40.8274, 0.3548, 0.3143

Trichromacy



Original Color

40.9586, 0.2914, 0.2067



Protanomaly

39.9919, 0.2511, 0.2141



Deuteranomaly

40.0767, 0.2536, 0.2189

Tritanomaly

40.5818, 0.3308, 0.2704

Monochromacy



Original Color

40.9586, 0.2914, 0.2067



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.5859, 0.3044, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9586, 0.2914, 0.2067 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(224, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 137, 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(224, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.9586, 0.2914, 0.2067 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(224, 137, 255) }
```

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

```
.border{ border-color:rgb(224, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 137,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9586, 0.2914, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 137, 255) }
```

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

```
.background{ background-color: rgb(224,  
137, 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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