

Converting Colors

$Y_{xy}(39.3690, 0.2890, 0.1884)$

Have a look what the booklet for
Yxy(39.3690, 0.2890, 0.1884)
contains.

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Color

Yxy(38.5417, 0.2981, 0.1967)

Conversions

Conversions Part 1

Format	Color
Hex	E87BFF
RGB	232, 123, 255
RGB Percent	91%, 48%, 100%
CMY	0.0903, 0.5176, 0.0000
CMYK	0.09, 0.52, 0.00, 0.00
HSL	290°, 100%, 74%
HSV	290°, 52%, 100%
XYZ	58.4102, 38.5417, 98.9897
YIQ	170.6390, 22.5920, 64.1600

Conversions

Conversions Part 2

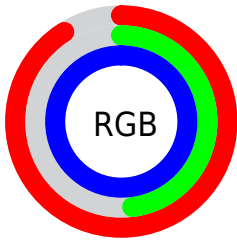
Format	Color
R _{YB}	232, 123, 255
Decimal	15236095
CIE Lab	68.42, 61.23, -48.20
CIE LCh	68, 77.922, 321.788
Yxy	38.5417, 0.2981, 0.1967
Android (android.graphics.Color)	4293426175 (0xFFE87BFF)
YUV	170.6390, 41.5900, 53.8136
Hunter-Lab	62.0820, 59.2993, -51.0805

Details

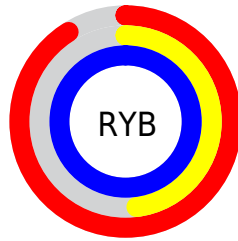
The Yxy color **38.5417, 0.2981, 0.1967** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.0640, 0.3169, 0.4894**, and the grayscale version is **40.3141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **17.2101, 0.2910, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **32.2824, 0.2939, 0.1750**, and if you desaturate by 10%, it is **46.4672, 0.3019, 0.2211**.

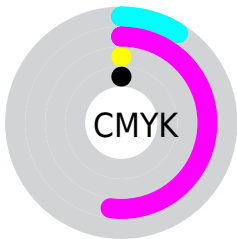
Distribution



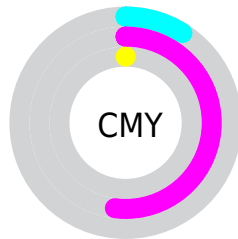
- Red (91%)
- Green (48%)
- Blue (100%)



- Red (91%)
- Yellow (48%)
- Blue (100%)



- Cyan (9%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5417, 0.2981, 0.1967 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 38.5417, 0.2981, 0.1967 by changing the saturation by 10% instead.


 38.5417, 0.2981,
0.1967


 38.5417, 0.2981,
0.1967


339.9380, 0.3080,
0.2562


 26.4034, 0.2951,
0.1838


 72.9377, 0.3022,
0.2168

 17.1257, 0.2910,
0.1684


 95.9641, 0.3036,
0.2248

 10.3241, 0.2852,
0.1496


 123.3887, 0.3047,
0.2318

 5.6144, 0.2767,
0.1267

155.5959, 0.3056,
0.2379

 2.6121, 0.2637,
0.0984

192.9700, 0.3064,
0.2433

 0.9327, 0.2426,
0.0645

235.8955, 0.3070,

 0.0000, 0.2120,

0.2481

0.0000

284.7567, 0.3075,
0.2524

■ 0.0000, 0.1044,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5417, 0.2981,
0.1967

■ 38.5417, 0.2981,
0.1967

■ 32.2824, 0.2939,
0.1750

■ 46.4672, 0.3019,
0.2211

■ 27.5583, 0.2894,
0.1569

■ 56.1756, 0.3053,
0.2470

■ 24.2187, 0.2847,
0.1432

■ 67.7734, 0.3082,
0.2735

■ 22.0822, 0.2801,
0.1341

■ 81.3583, 0.3105,
0.2996

■ 20.9996, 0.2763,
0.1296

■ 97.0215, 0.3124,
0.3247

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.



38.5417, 0.2044, 0.1710



38.5417, 0.2981, 0.1967



38.5417, 0.4178, 0.2469

Triad

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



38.5417, 0.2981, 0.1967



38.5417, 0.4831, 0.4644



38.5417, 0.1453, 0.2972

Complementary

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



38.5417, 0.2981, 0.1967



79.0640, 0.3169, 0.4894

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.



38.5417, 0.2003, 0.4305



38.5417, 0.2981, 0.1967



38.5417, 0.3944, 0.5320

Square

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



38.5417, 0.2981, 0.1967



38.5417, 0.5325, 0.3858



38.5417, 0.2920, 0.5340



38.5417, 0.1309, 0.2109

Rectangle

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



38.5417, 0.2981, 0.1967



38.5417, 0.4874, 0.2897



38.5417, 0.2920, 0.5340



38.5417, 0.1588, 0.3383

Sweetspot

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



38.5417, 0.2981, 0.1967



75.3499, 0.3096, 0.2886



32.3645, 0.2184, 0.1927



15.5320, 0.3091, 0.2832



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.



38.5417, 0.2981, 0.1967



32.1516, 0.2938, 0.1745



40.2433, 0.3587, 0.2391



18.1307, 0.3110, 0.3054



11.0314, 0.2770, 0.1300



1.1143, 0.2823, 0.1329

Inverse Universe

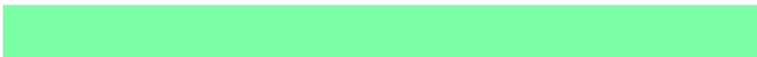
The Inverse Universe completely reimagines the original color for something new.



37.5050, 0.4363, 0.3058



31.2581, 0.4770, 0.3032



78.4414, 0.2863, 0.4429



18.0388, 0.3267, 0.3249



11.2206, 0.6144, 0.3158



1.1061, 0.5859, 0.3001

Previews

White Background



This preview shows how the Yxy color 38.5417, 0.2981, 0.1967 looks on a white background.

Color Contrast Check

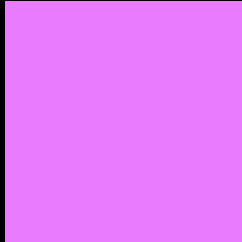
Large Text (above 18pt) WCAG AA × Fail

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 38.5417, 0.2981, 0.1967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

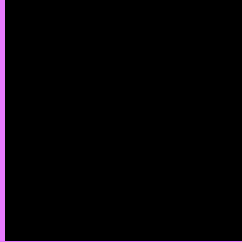
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5417, 0.2981, 0.1967

Background



This preview shows how black text looks on a background with the Yxy color 38.5417, 0.2981, 0.1967.



This preview shows how white text looks on a background with the Yxy color 38.5417, 0.2981, 0.1967.

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

38.5417, 0.2981, 0.1967

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.8934, 0.2319, 0.2258



Tritanopia

38.3961, 0.3769, 0.3159

Trichromacy



Original Color

38.5417, 0.2981, 0.1967



Protanomaly

37.2609, 0.2493, 0.2047



Deuteranomaly

37.0397, 0.2509, 0.2097

Tritanomaly

37.8745, 0.3471, 0.2658

Monochromacy



Original Color

38.5417, 0.2981, 0.1967



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.7129, 0.3071, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5417, 0.2981, 0.1967 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(232, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 123, 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(232, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 123, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.5417, 0.2981, 0.1967 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(232, 123, 255) }
```

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

```
.border{ border-color:rgb(232, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 123, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 123, 255); box-shadow:4px 4px 4px 4px rgb(232, 123, 255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.5417, 0.2981, 0.1967$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 123, 255) }
```

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

```
.background{ background-color: rgb(232,  
123, 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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