

Converting Colors

$Y_{xy}(39.2851, 0.2961, 0.1998)$

Have a look what the booklet for
Yxy(39.2851, 0.2961, 0.1998)
contains.

Yxy(39.2217, 0.2964, 0.1995)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.2217, 0.2964, 0.1995)

Conversions

Conversions Part 1

Format	Color
Hex	E67FFF
RGB	230, 127, 255
RGB Percent	90%, 50%, 100%
CMY	0.0980, 0.5019, 0.0000
CMYK	0.10, 0.50, 0.00, 0.00
HSL	288°, 100%, 75%
HSV	288°, 50%, 100%
XYZ	58.2722, 39.2217, 99.1061
YIQ	172.3890, 20.3000, 61.6440

Conversions

Conversions Part 2

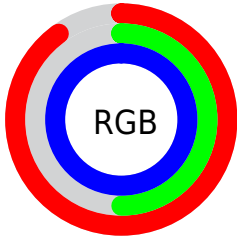
Format	Color
R _Y B	230, 127, 255
Decimal	15106047
CIE Lab	68.91, 58.76, -47.43
CIE LCh	69, 75.513, 321.094
Yxy	39.2217, 0.2964, 0.1995
Android (android.graphics.Color)	4293296127 (0xFFE67FFF)
YUV	172.3890, 40.7272, 50.5248
Hunter-Lab	62.6272, 56.4898, -49.9859

Details

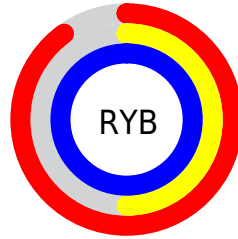
The Yxy color **39.2217, 0.2964, 0.1995** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.7279, 0.3185, 0.4833**, and the grayscale version is **41.2455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **17.4826, 0.2887, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **32.6368, 0.2916, 0.1769**, and if you desaturate by 10%, it is **47.4999, 0.3007, 0.2245**.

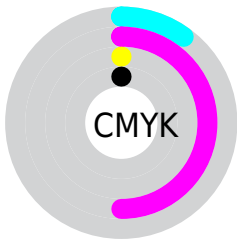
Distribution



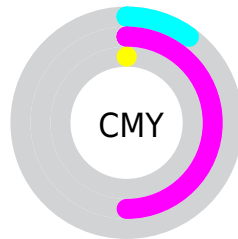
- Red (90%)
- Green (50%)
- Blue (100%)



- Red (90%)
- Yellow (50%)
- Blue (100%)



- Cyan (10%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2217, 0.2964, 0.1995 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 39.2217, 0.2964, 0.1995 by changing the saturation by 10% instead.


 39.2217, 0.2964,
0.1995


 39.2217, 0.2964,
0.1995


342.8321, 0.3070,
0.2579


 26.9322, 0.2933,
0.1868


 73.9769, 0.3007,
0.2193

 17.5223, 0.2890,
0.1716


 97.2114, 0.3022,
0.2271

 10.6076, 0.2831,
0.1531


 124.8630, 0.3034,
0.2339

 5.8036, 0.2745,
0.1304

157.3162, 0.3044,
0.2399

 2.7260, 0.2613,
0.1023

194.9553, 0.3052,
0.2452

 0.9904, 0.2401,
0.0682

238.1647, 0.3059,

 0.0000, 0.2101,

0.2499

0.0000

287.3289, 0.3065,
0.2541

■ 0.0000, 0.1012,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2217, 0.2964,
0.1995

■ 39.2217, 0.2964,
0.1995

■ 32.6368, 0.2916,
0.1769

■ 47.4999, 0.3007,
0.2245

■ 27.6117, 0.2865,
0.1577

■ 57.5815, 0.3045,
0.2509

■ 24.0009, 0.2813,
0.1429

■ 69.5730, 0.3078,
0.2775

■ 21.6290, 0.2760,
0.1327

■ 83.5712, 0.3105,
0.3036

■ 20.2271, 0.2709,
0.1266

99.6662, 0.3127,
0.3285

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.



39.2217, 0.2061, 0.1749



39.2217, 0.2964, 0.1995



39.2217, 0.4115, 0.2482

Triad

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



39.2217, 0.2964, 0.1995



39.2217, 0.4807, 0.4602



39.2217, 0.1510, 0.3016

Complementary

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



39.2217, 0.2964, 0.1995



79.7279, 0.3185, 0.4833

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.



39.2217, 0.2061, 0.4296



39.2217, 0.2964, 0.1995



39.2217, 0.3956, 0.5246

Square

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



39.2217, 0.2964, 0.1995



39.2217, 0.5262, 0.3841



39.2217, 0.2961, 0.5267



39.2217, 0.1356, 0.2163

Rectangle

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



39.2217, 0.2964, 0.1995



39.2217, 0.4792, 0.2900



39.2217, 0.2961, 0.5267



39.2217, 0.1646, 0.3415

Sweetspot

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



39.2234, 0.2964, 0.1995



76.5875, 0.3092, 0.2912



34.3855, 0.2220, 0.2002



15.7694, 0.3087, 0.2856



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.



39.2234, 0.2964, 0.1995



32.7493, 0.2917, 0.1773



41.4291, 0.3546, 0.2397



18.1106, 0.3107, 0.3054



10.6326, 0.2718, 0.1271



1.0789, 0.2777, 0.1303

Inverse Universe

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



38.7071, 0.4274, 0.3036



32.4254, 0.4644, 0.3003



78.7635, 0.2878, 0.4415



18.0451, 0.3263, 0.3244



11.2446, 0.6092, 0.3130



1.1093, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 39.2217, 0.2964, 0.1995 looks on a white background.

Color Contrast Check

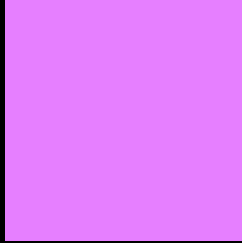
Large Text (above 18pt) WCAG AA × Fail

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 39.2217, 0.2964, 0.1995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

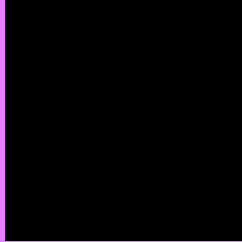
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2217, 0.2964, 0.1995

Background



This preview shows how black text looks on a background with the Yxy color 39.2217, 0.2964, 0.1995.



This preview shows how white text looks on a background with the Yxy color 39.2217, 0.2964, 0.1995.

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

39.2217, 0.2964, 0.1995

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.5037, 0.2339, 0.2276



Tritanopia

39.1376, 0.3708, 0.3158

Trichromacy



Original Color

39.2217, 0.2964, 0.1995



Protanomaly

38.2225, 0.2497, 0.2081



Deuteranomaly

37.9046, 0.2527, 0.2125

Tritanomaly

38.8157, 0.3425, 0.2678

Monochromacy



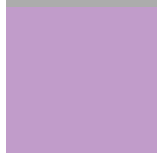
Original Color

39.2217, 0.2964, 0.1995



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.3787, 0.3071, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2217, 0.2964, 0.1995 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, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 127, 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(230, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.2217, 0.2964, 0.1995 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, 127, 255) }
```

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

```
.border{ border-color:rgb(230, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2217, 0.2964, 0.1995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 127, 255) }
```

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

```
.background{ background-color: rgb(230,  
127, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor