

Converting Colors

$Y_{xy}(38.9290, 0.2795, 0.1945)$

Have a look what the booklet for
Yxy(38.9290, 0.2795, 0.1945)
contains.

Yxy(38.3215, 0.2844, 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(38.3215, 0.2844, 0.1995)

Conversions

Conversions Part 1

Format	Color
Hex	D884FF
RGB	216, 132, 255
RGB Percent	85%, 52%, 100%
CMY	0.1528, 0.4824, 0.0000
CMYK	0.15, 0.48, 0.00, 0.00
HSL	281°, 100%, 76%
HSV	281°, 48%, 100%
XYZ	54.6297, 38.3215, 99.1365
YIQ	171.1380, 10.5810, 56.0610

Conversions

Conversions Part 2

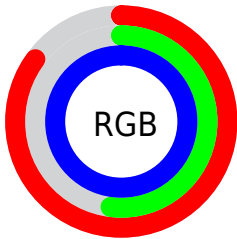
Format	Color
R _Y B	216, 132, 255
Decimal	14189823
CIE Lab	68.26, 52.54, -48.57
CIE LCh	68, 71.556, 317.248
Yxy	38.3215, 0.2844, 0.1995
Android (android.graphics.Color)	4292379903 (0xFFD884FF)
YUV	171.1380, 41.3440, 39.3440
Hunter-Lab	61.9044, 49.1912, -51.6167

Details

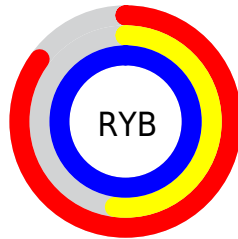
The Yxy color **38.3215, 0.2844, 0.1995** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.8370, 0.3275, 0.4726**, and the grayscale version is **40.5817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **17.0401, 0.2740, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **31.0319, 0.2763, 0.1741**, and if you desaturate by 10%, it is **47.3627, 0.2919, 0.2268**.

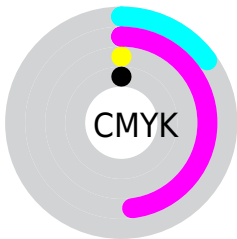
Distribution



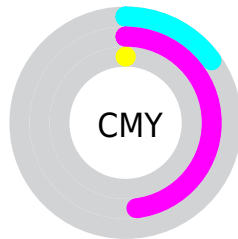
- Red (85%)
- Green (52%)
- Blue (100%)



- Red (85%)
- Yellow (52%)
- Blue (100%)



- Cyan (15%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3215, 0.2844, 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 38.3215, 0.2844, 0.1995 by changing the saturation by 10% instead.


 38.3215, 0.2844,
0.1995

 38.3215, 0.2844,
0.1995


338.9971, 0.3007,
0.2583


 26.2323, 0.2799,
0.1867


 72.6006, 0.2907,
0.2195

 16.9975, 0.2740,
0.1712


 95.5594, 0.2930,
0.2274

 10.2327, 0.2660,
0.1523


 122.9101, 0.2948,
0.2343

 5.5535, 0.2546,
0.1291

155.0372, 0.2964,
0.2403

 2.5756, 0.2379,
0.1004

192.3250, 0.2977,
0.2456

 0.9144, 0.2118,
0.0657

235.1581, 0.2989,

 0.0000, 0.1745,

0.2503

0.0000

283.9206, 0.2999,
0.2545

■ 0.0000, 0.0194,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3215, 0.2844,
0.1995

■ 38.3215, 0.2844,
0.1995

■ 31.0319, 0.2763,
0.1741

■ 47.3627, 0.2919,
0.2268

■ 25.3657, 0.2677,
0.1516

■ 58.2669, 0.2985,
0.2546

■ 21.1799, 0.2589,
0.1333

■ 71.1388, 0.3043,
0.2821

■ 18.3050, 0.2504,
0.1199

■ 86.0741, 0.3093,
0.3085

■ 16.5075, 0.2422,
0.1113

100.0000, 0.3127,
0.3290

■ 16.2460, 0.2408,
0.1100

Harmonies

Analogous

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



38.3215, 0.2017, 0.1789



38.3215, 0.2844, 0.1995



38.3215, 0.3933, 0.2442

Triad

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



38.3215, 0.2844, 0.1995



38.3215, 0.4837, 0.4479



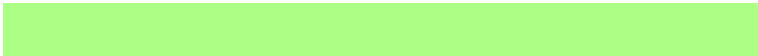
38.3215, 0.1616, 0.3177

Complementary

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



38.3215, 0.2844, 0.1995



81.8370, 0.3275, 0.4726

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.



38.3215, 0.2205, 0.4401



38.3215, 0.2844, 0.1995



38.3215, 0.4058, 0.5115

Square

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



38.3215, 0.2844, 0.1995



38.3215, 0.5191, 0.3748



38.3215, 0.3104, 0.5220



38.3215, 0.1415, 0.2290

Rectangle

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



38.3215, 0.2844, 0.1995



38.3215, 0.4610, 0.2839



38.3215, 0.3104, 0.5220



38.3215, 0.1768, 0.3572

Sweetspot

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



38.3222, 0.2844, 0.1995



77.2180, 0.3065, 0.2934



42.0063, 0.2298, 0.2271



15.8561, 0.3054, 0.2877



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.



38.3222, 0.2844, 0.1995



31.1891, 0.2765, 0.1746



43.7265, 0.3365, 0.2285



17.9950, 0.3087, 0.3052



8.5723, 0.2421, 0.1107



0.8931, 0.2512, 0.1158

Inverse Universe

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



40.6955, 0.4034, 0.2888



34.1274, 0.4331, 0.2824



78.7069, 0.2962, 0.4573



18.0819, 0.3244, 0.3215



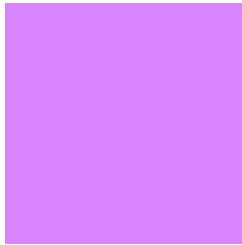
11.4411, 0.5708, 0.2918



1.1328, 0.5389, 0.2742

Previews

White Background



This preview shows how the Yxy color 38.3215, 0.2844, 0.1995 looks on a white background.

Color Contrast Check

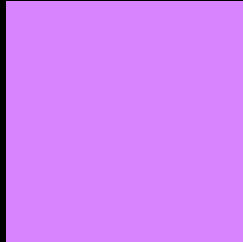
Large Text (above 18pt) WCAG AA × Fail

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 38.3215, 0.2844, 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 38.3215, 0.2844, 0.1995

Background



This preview shows how black text looks on a background with the Yxy color 38.3215, 0.2844, 0.1995.



This preview shows how white text looks on a background with the Yxy color 38.3215, 0.2844, 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

38.3215, 0.2844, 0.1995

Protanopia

38.7575, 0.2282, 0.2157

Deuteranopia

38.7956, 0.2303, 0.2245



Tritanopia

38.0556, 0.3507, 0.3137

Trichromacy



Original Color

38.3215, 0.2844, 0.1995



Protanomaly

37.4630, 0.2447, 0.2066



Deuteranomaly

37.6533, 0.2459, 0.2121

Tritanomaly

37.5934, 0.3245, 0.2649

Monochromacy



Original Color

38.3215, 0.2844, 0.1995



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9430, 0.3016, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3215, 0.2844, 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(216, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 132, 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(216, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.3215, 0.2844, 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(216, 132, 255) }
```

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

```
.border{ border-color:rgb(216, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3215, 0.2844, 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(216, 132, 255) }
```

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

```
.background{ background-color: rgb(216,  
132, 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