

Converting Colors

$Y_{xy}(38.8591, 0.2787, 0.2029)$

Have a look what the booklet for
Yxy(38.8591, 0.2787, 0.2029)
contains.

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Color

Yxy(38.9523, 0.2787, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	D18AFF
RGB	209, 138, 255
RGB Percent	82%, 54%, 100%
CMY	0.1805, 0.4587, 0.0000
CMYK	0.18, 0.46, 0.00, 0.00
HSL	276°, 100%, 77%
HSV	276°, 46%, 100%
XYZ	53.4252, 38.9523, 99.3169
YIQ	172.5670, 4.7590, 51.4390

Conversions

Conversions Part 2

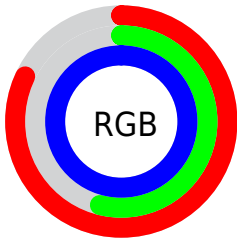
Format	Color
R _Y B	209, 138, 255
Decimal	13732607
CIE Lab	68.72, 47.48, -47.90
CIE LCh	69, 67.446, 314.750
Yxy	38.9523, 0.2787, 0.2032
Android (android.graphics.Color)	4291922687 (0xFFD18AFF)
YUV	172.5670, 40.6395, 31.9517
Hunter-Lab	62.4118, 43.5775, -50.6609

Details

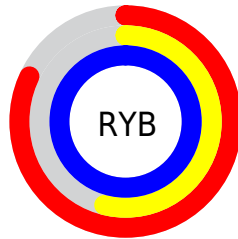
The Yxy color **38.9523, 0.2787, 0.2032** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.5537, 0.3328, 0.4624**, and the grayscale version is **41.3460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.4082, 0.2666, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **31.0561, 0.2686, 0.1759**, and if you desaturate by 10%, it is **48.6603, 0.2880, 0.2318**.

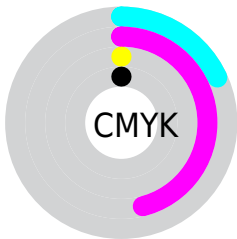
Distribution



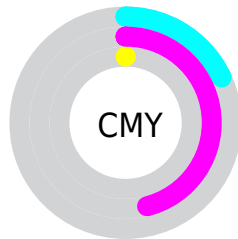
- Red (82%)
- Green (54%)
- Blue (100%)



- Red (82%)
- Yellow (54%)
- Blue (100%)



- Cyan (18%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9523, 0.2787, 0.2032 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 38.9523, 0.2787, 0.2032 by changing the saturation by 10% instead.


 38.9523, 0.2787,
0.2032


 38.9523, 0.2787,
0.2032


341.6876, 0.2976,
0.2606


 26.7226, 0.2737,
0.1906


 73.5654, 0.2858,
0.2228

 17.3650, 0.2671,
0.1754


 96.7177, 0.2885,
0.2305

 10.4951, 0.2583,
0.1567


 124.2796, 0.2906,
0.2372

 5.7284, 0.2460,
0.1337

156.6355, 0.2925,
0.2431

 2.6807, 0.2281,
0.1050

194.1699, 0.2940,
0.2482

 0.9674, 0.2008,
0.0699

237.2671, 0.2954,

 0.0000, 0.1623,

0.2528

0.0000

286.3116, 0.2965,
0.2569

0.0000, 0.0000,
0.0000

38.9523, 0.2787,
0.2032

38.9523, 0.2787,
0.2032

31.0561, 0.2686,
0.1759

48.6603, 0.2880,
0.2318

24.8448, 0.2580,
0.1511

60.2888, 0.2962,
0.2604

20.1798, 0.2472,
0.1302

73.9414, 0.3034,
0.2882

16.8979, 0.2366,
0.1142

89.7132, 0.3096,
0.3144

14.7970, 0.2268,
0.1035

100.0000, 0.3127,
0.3290

■ 14.1528, 0.2229,
0.1001

Harmonies

Analogous

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



38.9523, 0.2025, 0.1856



38.9523, 0.2787, 0.2032



38.9523, 0.3801, 0.2445

Triad

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



38.9523, 0.2787, 0.2032



38.9523, 0.4803, 0.4383



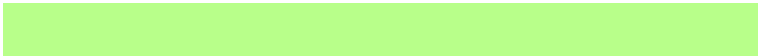
38.9523, 0.1729, 0.3282

Complementary

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



38.9523, 0.2787, 0.2032



83.5537, 0.3328, 0.4624

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.



38.9523, 0.2328, 0.4413



38.9523, 0.2787, 0.2032



38.9523, 0.4098, 0.4982

Square

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



38.9523, 0.2787, 0.2032



38.9523, 0.5076, 0.3689



38.9523, 0.3199, 0.5112



38.9523, 0.1500, 0.2406

Rectangle

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



38.9523, 0.2787, 0.2032



38.9523, 0.4449, 0.2820



38.9523, 0.3199, 0.5112



38.9523, 0.1888, 0.3656

Sweetspot

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



38.9533, 0.2787, 0.2032



76.7316, 0.3047, 0.2932



47.2455, 0.2358, 0.2430



15.7372, 0.3032, 0.2874



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.



38.9533, 0.2787, 0.2032



31.6765, 0.2695, 0.1782



45.9331, 0.3281, 0.2264



17.9227, 0.3075, 0.3051



7.4842, 0.2244, 0.1010



0.7920, 0.2352, 0.1069

Inverse Universe

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



42.9070, 0.3869, 0.2814



36.3649, 0.4102, 0.2732



79.1183, 0.3005, 0.4596



18.1055, 0.3232, 0.3197



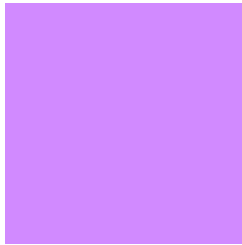
11.6205, 0.5410, 0.2754



1.1522, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 38.9523, 0.2787, 0.2032 looks on a white background.

Color Contrast Check

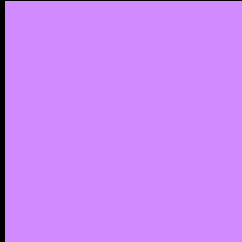
Large Text (above 18pt) WCAG AA × Fail

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 38.9523, 0.2787, 0.2032 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 38.9523, 0.2787, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 38.9523, 0.2787, 0.2032.



This preview shows how white text looks on a background with the Yxy color 38.9523, 0.2787, 0.2032.

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

38.9523, 0.2787, 0.2032

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.3825, 0.2312, 0.2252



Tritanopia

38.9581, 0.3378, 0.3135

Trichromacy



Original Color

38.9523, 0.2787, 0.2032



Protanomaly

38.3441, 0.2445, 0.2099



Deuteranomaly

38.2156, 0.2456, 0.2143

Tritanomaly

38.6296, 0.3146, 0.2676

Monochromacy



Original Color

38.9523, 0.2787, 0.2032



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.8925, 0.2999, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9523, 0.2787, 0.2032 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(209, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 138, 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(209, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 138, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.9523, 0.2787, 0.2032 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(209, 138, 255) }
```

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

```
.border{ border-color:rgb(209, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 138,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9523, 0.2787, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 138, 255) }
```

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

```
.background{ background-color: rgb(209,  
138, 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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