

Converting Colors

$Y_{xy}(38.3215, 0.3080, 0.2388)$

Have a look what the booklet for
Yxy(38.3215, 0.3080, 0.2388)
contains.

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Color

Yxy(38.3622, 0.3085, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	D38EDC
RGB	211, 142, 220
RGB Percent	83%, 56%, 86%
CMY	0.1725, 0.4431, 0.1373
CMYK	0.04, 0.35, 0.00, 0.14
HSL	293°, 53%, 71%
HSV	293°, 35%, 86%
XYZ	49.4557, 38.3622, 72.4922
YIQ	171.5230, 16.0860, 38.8860

Conversions

Conversions Part 2

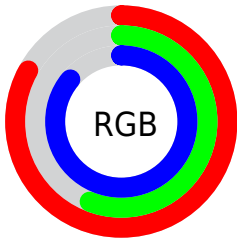
Format	Color
R _Y B	211, 142, 220
Decimal	13864668
CIE Lab	68.29, 38.85, -29.32
CIE LCh	68, 48.672, 322.963
Yxy	38.3622, 0.3085, 0.2393
Android (android.graphics.Color)	4292054748 (0xFFD38EDC)
YUV	171.5230, 23.8992, 34.6213
Hunter-Lab	61.9372, 34.1386, -26.0378

Details

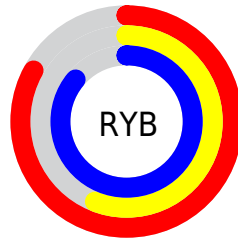
The Yxy color **38.3622, 0.3085, 0.2393** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.7038, 0.3138, 0.4334**, and the grayscale version is **40.8738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **16.9975, 0.3050, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **32.0806, 0.3066, 0.2148**, and if you desaturate by 10%, it is **45.9446, 0.3101, 0.2649**.

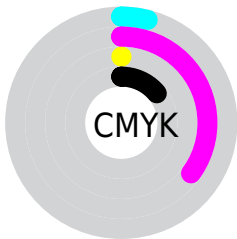
Distribution



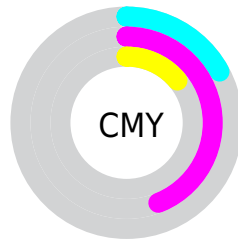
- Red (83%)
- Green (56%)
- Blue (86%)



- Red (83%)
- Yellow (56%)
- Blue (86%)



- Cyan (4%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)



- Cyan (17%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3622, 0.3085, 0.2393 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 38.3622, 0.3085, 0.2393 by changing the saturation by 10% instead.

 38.3622, 0.3085,
0.2393


 38.3622, 0.3085,
0.2393


339.1712, 0.3119,
0.2821

 26.2639, 0.3073,
0.2293


 72.6630, 0.3100,
0.2543

 17.0212, 0.3056,
0.2169

 95.6342, 0.3105,
0.2601

 10.2496, 0.3030,
0.2011


122.9986, 0.3109,
0.2651

 5.5648, 0.2989,
0.1804

155.1405, 0.3112,
0.2694

 2.5823, 0.2919,
0.1525

192.4443, 0.3114,
0.2732

 0.9178, 0.2784,
0.1136

235.2944, 0.3116,

 0.0000, 0.2644,

0.2765

0.0000

284.0753, 0.3117,
0.2794

0.0000, 0.0000,
0.0000

38.3622, 0.3085,
0.2393

38.3622, 0.3085,
0.2393

32.0806, 0.3066,
0.2148

45.9446, 0.3101,
0.2649

27.0185, 0.3043,
0.1924

54.8929, 0.3114,
0.2906

23.0931, 0.3018,
0.1732

65.2738, 0.3123,
0.3157

20.2093, 0.2990,
0.1578

77.1484, 0.3130,
0.3398

18.2563, 0.2961,
0.1468


90.5739, 0.3135,
0.3623


 17.0984, 0.2931,
0.1402

 92.8850, 0.3149,
0.3651

 16.7274, 0.2918,
0.1381

 93.2972, 0.3165,
0.3650

 93.7155, 0.3181,
0.3648

 94.1399, 0.3197,
0.3646

Harmonies

Analogous

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



38.3622, 0.2436, 0.2200



38.3622, 0.3085, 0.2393



38.3622, 0.3828, 0.2770

Triad

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



38.3622, 0.3085, 0.2393



38.3622, 0.4298, 0.4307



38.3622, 0.1992, 0.3111

Complementary

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



38.3622, 0.3085, 0.2393



59.7038, 0.3138, 0.4334

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.



38.3622, 0.2401, 0.3876



38.3622, 0.3085, 0.2393



38.3622, 0.3730, 0.4610

Square

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



38.3622, 0.3085, 0.2393



38.3622, 0.4565, 0.3805



38.3622, 0.3035, 0.4483



38.3622, 0.1867, 0.2529

Rectangle

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



38.3622, 0.3085, 0.2393



38.3622, 0.4246, 0.3091



38.3622, 0.3035, 0.4483



38.3622, 0.2098, 0.3358

Sweetspot

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



38.3639, 0.3085, 0.2393



82.7844, 0.3118, 0.3017



33.0823, 0.2503, 0.2355



17.3028, 0.3117, 0.2982



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.



38.3639, 0.3085, 0.2393



46.5254, 0.3070, 0.2198



38.2803, 0.3454, 0.2727



13.1949, 0.3120, 0.3058



9.8507, 0.2922, 0.1384



0.6602, 0.2972, 0.1411

Inverse Universe

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



36.7920, 0.3874, 0.3184



44.0850, 0.4129, 0.3161



59.9002, 0.2901, 0.3933



13.0757, 0.3274, 0.3263



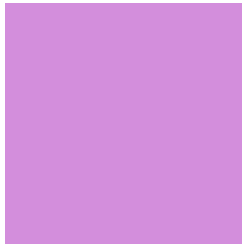
8.9802, 0.6254, 0.3219



0.5901, 0.5916, 0.3032

Previews

White Background



This preview shows how the Yxy color 38.3622, 0.3085, 0.2393 looks on a white background.

Color Contrast Check

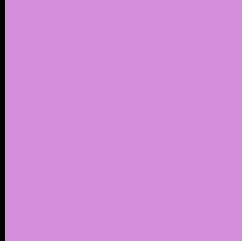
Large Text (above 18pt) WCAG AA × Fail

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 38.3622, 0.3085, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

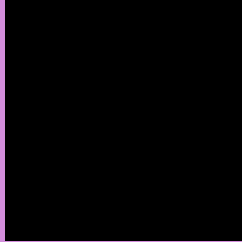
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3622, 0.3085, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 38.3622, 0.3085, 0.2393.



This preview shows how white text looks on a background with the Yxy color 38.3622, 0.3085, 0.2393.

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

38.3622, 0.3085, 0.2393

Protanopia

38.5946, 0.2441, 0.2352

Deuteranopia

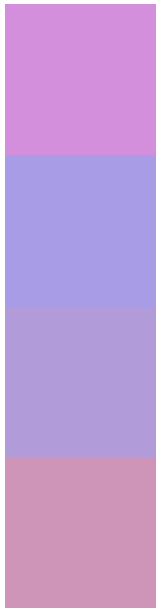
38.6769, 0.2663, 0.2603



Tritanopia

38.1956, 0.3517, 0.3138

Trichromacy



Original Color

38.3622, 0.3085, 0.2393

Protanomaly

37.8713, 0.2637, 0.2352

Deuteranomaly

38.1338, 0.2809, 0.2518

Tritanomaly

38.1195, 0.3356, 0.2845

Monochromacy



Original Color

38.3622, 0.3085, 0.2393

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.6030, 0.3116, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3622, 0.3085, 0.2393 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(211, 142, 220)` looks like.

```
.text, #text, p{  
    color:rgb(211, 142, 220)  
}
```

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(211, 142, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 142, 220) }
```

Border

The CSS property to change the border of an element to Yxy 38.3622, 0.3085, 0.2393 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(211, 142, 220) }
```

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

```
.border{ border-color:rgb(211, 142, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 142, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 142, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 142, 220);  
box-shadow:4px 4px 4px 4px rgb(211, 142,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3622, 0.3085, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 142, 220) }
```

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

```
.background{ background-color: rgb(211,  
142, 220) }
```

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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