

Converting Colors

Yxy(38.2049, 0.3192, 0.2300)

Have a look what the booklet for
Yxy(38.2049, 0.3192, 0.2300)
contains.

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Color

Yxy(38.3256, 0.3193, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	E285E0
RGB	226, 133, 224
RGB Percent	89%, 52%, 88%
CMY	0.1137, 0.4784, 0.1216
CMYK	0.00, 0.41, 0.01, 0.11
HSL	301°, 62%, 70%
HSV	301°, 41%, 89%
XYZ	53.2059, 38.3256, 75.1015
YIQ	171.1810, 26.2170, 48.0170

Conversions

Conversions Part 2

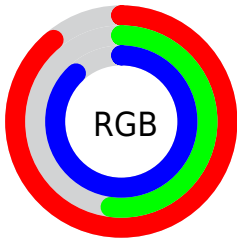
Format	Color
R _Y B	226, 133, 224
Decimal	14845408
CIE Lab	68.26, 48.89, -31.43
CIE LCh	68, 58.120, 327.259
Yxy	38.3256, 0.3193, 0.2300
Android (android.graphics.Color)	4293035488 (0xFFE285E0)
YUV	171.1810, 26.0398, 48.0763
Hunter-Lab	61.9077, 45.0716, -28.5906

Details

The Yxy color **38.3256, 0.3193, 0.2300** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.1347, 0.3057, 0.4530**, and the grayscale version is **40.6782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.9995, 0.3198, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **32.7635, 0.3209, 0.2087**, and if you desaturate by 10%, it is **45.2225, 0.3176, 0.2533**.

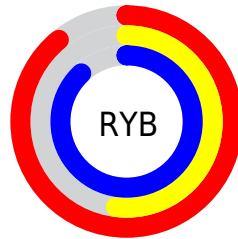
Distribution



Red (89%)

Green (52%)

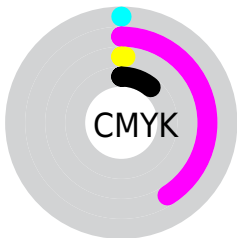
Blue (88%)



Red (89%)

Yellow (52%)

Blue (88%)

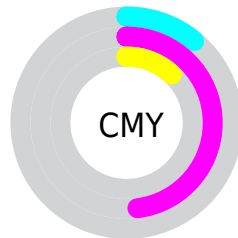


Cyan (0%)

Magenta (41%)

Yellow (1%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3256, 0.3193, 0.2300 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 38.3256, 0.3193, 0.2300 by changing the saturation by 10% instead.


 38.3256, 0.3193,
0.2300


 38.3256, 0.3193,
0.2300


339.0147, 0.3176,
0.2766


 26.2355, 0.3193,
0.2193


 72.6069, 0.3190,
0.2462

 16.9999, 0.3191,
0.2061


 95.5669, 0.3188,
0.2525

 10.2344, 0.3184,
0.1895


 122.9190, 0.3186,
0.2579

 5.5547, 0.3168,
0.1681

155.0476, 0.3184,
0.2626

 2.5762, 0.3131,
0.1397

192.3371, 0.3182,
0.2668

 0.9147, 0.3048,
0.1015

235.1718, 0.3180,

 0.0000, 0.2993,

0.2704

0.0000

283.9362, 0.3178,
0.2736

0.0000, 0.0000,
0.0000

38.3256, 0.3193,
0.2300

38.3256, 0.3193,
0.2300

32.7635, 0.3209,
0.2087

45.2225, 0.3176,
0.2533

28.4449, 0.3224,
0.1904

53.5275, 0.3160,
0.2777

25.2751, 0.3238,
0.1759


63.3149, 0.3144,
0.3022

23.1437, 0.3249,
0.1656

74.6521, 0.3129,
0.3263

21.9188, 0.3258,
0.1596


87.6025, 0.3115,
0.3493

 21.3952, 0.3265,
0.1572

 93.2328, 0.3108,
0.3578

 93.2600, 0.3105,
0.3573

 93.2873, 0.3102,
0.3568

 93.3147, 0.3100,
0.3562

Harmonies

Analogous

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



38.3256, 0.2404, 0.2046



38.3256, 0.3193, 0.2300



38.3256, 0.4079, 0.2751

Triad

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



38.3256, 0.3193, 0.2300



38.3256, 0.4404, 0.4529



38.3256, 0.1762, 0.2938

Complementary

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



38.3256, 0.3193, 0.2300



61.1347, 0.3057, 0.4530

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.



38.3256, 0.2175, 0.3859



38.3256, 0.3193, 0.2300



38.3256, 0.3694, 0.4883

Square

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



38.3256, 0.3193, 0.2300



38.3256, 0.4805, 0.3941



38.3256, 0.2879, 0.4673



38.3256, 0.1675, 0.2313

Rectangle

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



38.3256, 0.3193, 0.2300



38.3256, 0.4549, 0.3124



38.3256, 0.2879, 0.4673



38.3256, 0.1863, 0.3223

Sweetspot

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



38.3273, 0.3193, 0.2300



81.9637, 0.3145, 0.3000



27.3817, 0.2374, 0.2029



17.1622, 0.3147, 0.2967



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.



38.3273, 0.3193, 0.2300



44.2845, 0.3206, 0.2124



36.1590, 0.3662, 0.2771



13.9302, 0.3141, 0.3064



12.2073, 0.3264, 0.1572



0.8478, 0.3255, 0.1567

Inverse Universe

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



38.3273, 0.3193, 0.2300



44.2845, 0.3206, 0.2124



62.7231, 0.2801, 0.3886



13.9302, 0.3141, 0.3064



12.2073, 0.3264, 0.1572



0.8478, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 38.3256, 0.3193, 0.2300 looks on a white background.

Color Contrast Check

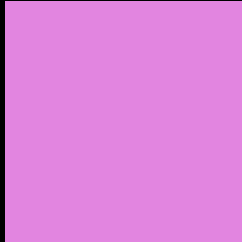
Large Text (above 18pt) WCAG AA × Fail

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 38.3256, 0.3193, 0.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

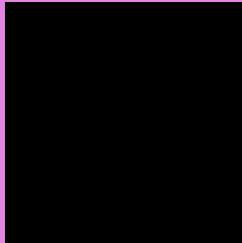
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3256, 0.3193, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 38.3256, 0.3193, 0.2300.



This preview shows how white text looks on a background with the Yxy color 38.3256, 0.3193, 0.2300.

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

38.3256, 0.3193, 0.2300

Protanopia

38.7315, 0.2345, 0.2231

Deuteranopia

38.5814, 0.2635, 0.2577



Tritanopia

38.2415, 0.3759, 0.3158

Trichromacy



Original Color

38.3256, 0.3193, 0.2300



Protanomaly

37.5605, 0.2596, 0.2239



Deuteranomaly

37.7735, 0.2819, 0.2455



Tritanomaly

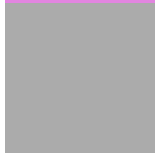
38.0956, 0.3548, 0.2820

Monochromacy



Original Color

38.3256, 0.3193, 0.2300



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9080, 0.3156, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3256, 0.3193, 0.2300 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(226, 133, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 224)  
}
```

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(226, 133, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 224) }
```

Border

The CSS property to change the border of an element to Yxy 38.3256, 0.3193, 0.2300 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(226, 133, 224) }
```

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

```
.border{ border-color:rgb(226, 133, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3256, 0.3193, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 224) }
```

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

```
.background{ background-color: rgb(226,  
133, 224) }
```

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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