

Converting Colors

Yxy(37.5398, 0.2630, 0.1629)

Have a look what the booklet for
Yxy(37.5398, 0.2630, 0.1629)
contains.

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Color

Yxy(35.0111, 0.2891, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	DE73FF
RGB	222, 115, 255
RGB Percent	87%, 45%, 100%
CMY	0.1295, 0.5489, 0.0000
CMYK	0.13, 0.55, 0.00, 0.00
HSL	286°, 100%, 73%
HSV	286°, 55%, 100%
XYZ	54.3010, 35.0111, 98.5157
YIQ	162.9530, 18.8320, 66.2240

Conversions

Conversions Part 2

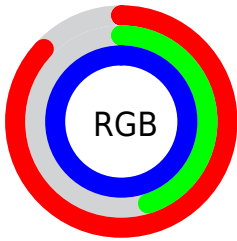
Format	Color
R _Y B	222, 115, 255
Decimal	14578687
CIE _{Lab}	65.76, 62.48, -52.48
CIE _{LCh}	66, 81.596, 319.973
Yxy	35.0111, 0.2891, 0.1864
Android (android.graphics.Color)	4292768767 (0xFFDE73FF)
YUV	162.9530, 45.3792, 51.7842
Hunter-Lab	59.1702, 60.2633, -57.2960

Details

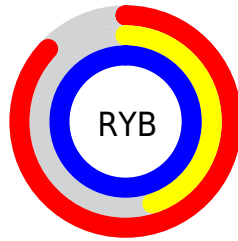
The Yxy color **35.0111, 0.2891, 0.1864** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.0580, 0.3214, 0.4974**, and the grayscale version is **36.3794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **15.0977, 0.2788, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **29.0444, 0.2830, 0.1645**, and if you desaturate by 10%, it is **42.6208, 0.2948, 0.2112**.

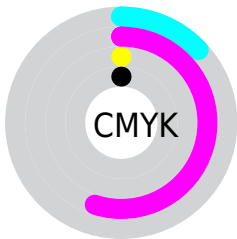
Distribution



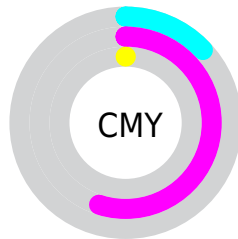
- Red (87%)
- Green (45%)
- Blue (100%)



- Red (87%)
- Yellow (45%)
- Blue (100%)



- Cyan (13%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0111, 0.2891, 0.1864 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 35.0111, 0.2891, 0.1864 by changing the saturation by 10% instead.


 35.0111, 0.2891,
0.1864


 35.0111, 0.2891,
0.1864


324.6173, 0.3039,
0.2507

 23.6714, 0.2848,
0.1725


 67.5030, 0.2950,
0.2081

 15.0901, 0.2790,
0.1560


 89.4239, 0.2971,
0.2168

 8.8826, 0.2711,
0.1360


 115.6408, 0.2987,
0.2243

 4.6647, 0.2596,
0.1117

146.5380, 0.3001,
0.2309

 2.0519, 0.2424,
0.0825

182.4998, 0.3013,
0.2367

 0.6374, 0.2156,
0.0474

223.9107, 0.3023,

 0.0000, 0.1737,

0.2419

0.0000

271.1551, 0.3032,
0.2466

0.0000, 0.0113,
0.0000

0.0000, 0.0000,
0.0000

35.0111, 0.2891,
0.1864

35.0111, 0.2891,
0.1864

29.0444, 0.2830,
0.1645

42.6208, 0.2948,
0.2112

24.5825, 0.2766,
0.1464

51.9929, 0.2999,
0.2376

21.4670, 0.2701,
0.1329

63.2376, 0.3044,
0.2646

19.5024, 0.2638,
0.1241

76.4552, 0.3082,
0.2913

■ 18.8012, 0.2607,
0.1210

■ 91.7391, 0.3114,
0.3170

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.



35.0111, 0.1926, 0.1612



35.0111, 0.2891, 0.1864



35.0111, 0.4178, 0.2374

Triad

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



35.0111, 0.2891, 0.1864



35.0111, 0.4962, 0.4637



35.0111, 0.1369, 0.3007

Complementary

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



35.0111, 0.2891, 0.1864



79.0580, 0.3214, 0.4974

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.



35.0111, 0.1962, 0.4486



35.0111, 0.2891, 0.1864



35.0111, 0.4022, 0.5418

Square

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



35.0111, 0.2891, 0.1864



35.0111, 0.5482, 0.3803



35.0111, 0.2943, 0.5560



35.0111, 0.1206, 0.2058

Rectangle

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



35.0111, 0.2891, 0.1864



35.0111, 0.4954, 0.2814



35.0111, 0.2943, 0.5560



35.0111, 0.1514, 0.3463

Sweetspot

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



35.0116, 0.2891, 0.1864



74.8944, 0.3078, 0.2884



32.6832, 0.2148, 0.1949



15.4226, 0.3071, 0.2830



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.



35.0116, 0.2891, 0.1864



28.4799, 0.2823, 0.1623



38.6932, 0.3526, 0.2263



18.0717, 0.3100, 0.3053



9.8957, 0.2617, 0.1215



1.0131, 0.2687, 0.1254

Inverse Universe

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



35.6651, 0.4374, 0.2959



29.5447, 0.4794, 0.2926



77.3685, 0.2895, 0.4634



18.0573, 0.3257, 0.3234



11.2992, 0.5979, 0.3067



1.1162, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 35.0111, 0.2891, 0.1864 looks on a white background.

Color Contrast Check

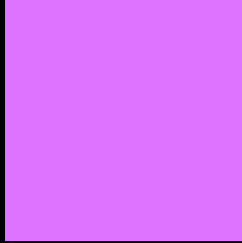
Large Text (above 18pt) WCAG AA × Fail

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 35.0111, 0.2891, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

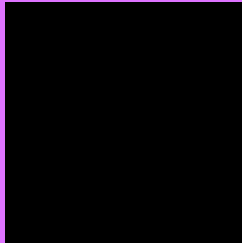
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0111, 0.2891, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 35.0111, 0.2891, 0.1864.



This preview shows how white text looks on a background with the Yxy color 35.0111, 0.2891, 0.1864.

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

35.0111, 0.2891, 0.1864

Protanopia

35.3989, 0.2198, 0.2048

Deuteranopia

35.5700, 0.2215, 0.2155



Tritanopia

34.8784, 0.3726, 0.3164

Trichromacy



Original Color

35.0111, 0.2891, 0.1864



Protanomaly

33.8351, 0.2395, 0.1938



Deuteranomaly

33.8172, 0.2406, 0.1996

Tritanomaly

34.1737, 0.3400, 0.2606

Monochromacy



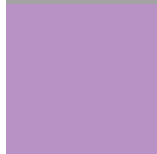
Original Color

35.0111, 0.2891, 0.1864



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.7336, 0.3041, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0111, 0.2891, 0.1864 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(222, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 115, 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(222, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.0111, 0.2891, 0.1864 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(222, 115, 255) }
```

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

```
.border{ border-color:rgb(222, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0111, 0.2891, 0.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 115, 255) }
```

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

```
.background{ background-color: rgb(222,  
115, 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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