

Converting Colors

$Y_{xy}(27.4093, 0.2940, 0.1683)$

Have a look what the booklet for
Yxy(27.4093, 0.2940, 0.1683)
contains.

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Color

Yxy(27.4093, 0.2940, 0.1683)

Conversions

Conversions Part 1

Format	Color
Hex	D953F3
RGB	217, 83, 243
RGB Percent	85%, 33%, 95%
CMY	0.1491, 0.6744, 0.0470
CMYK	0.11, 0.66, 0.00, 0.05
HSL	290°, 87%, 64%
HSV	290°, 66%, 95%
XYZ	47.8808, 27.4093, 87.5697
YIQ	141.3060, 28.5040, 78.1680

Conversions

Conversions Part 2

Format	Color
R _Y B	217, 83, 243
Decimal	14242803
CIE Lab	59.35, 73.05, -56.08
CIE LCh	59, 92.093, 322.490
Yxy	27.4093, 0.2940, 0.1683
Android (android.graphics.Color)	4292432883 (0xFFD953F3)
YUV	141.3060, 50.1351, 66.3836
Hunter-Lab	52.3539, 71.6296, -62.5237

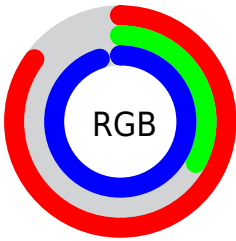
Details

The Yxy color **27.4093, 0.2940, 0.1683** is a light color, and the websafe version is hex **CC66FF**.

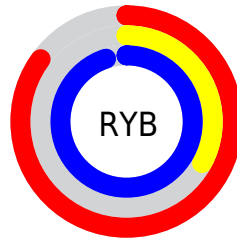
The color can be described as light muted magenta. A complement of this color would be **67.9889, 0.3141, 0.5348**, and the grayscale version is **26.5579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **10.8360, 0.2831, 0.1335** is the 20% darker color. If you saturate the color by 10%, you get **23.7206, 0.2898, 0.1522**, and if you desaturate by 10%, it is **32.4174, 0.2980, 0.1884**.

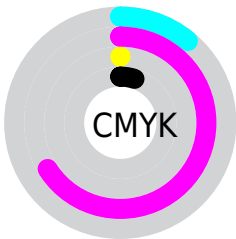
Distribution



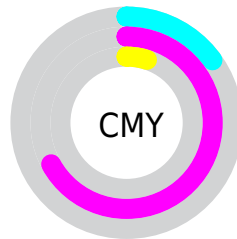
- Red (85%)
- Green (33%)
- Blue (95%)



- Red (85%)
- Yellow (33%)
- Blue (95%)



- Cyan (11%)
- Magenta (66%)
- Yellow (0%)
- Black (5%)





- Cyan (15%)
- Magenta (67%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4093, 0.2940, 0.1683 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 27.4093, 0.2940, 0.1683 by changing the saturation by 10% instead.


 27.4093, 0.2940,
0.1683


 27.4093, 0.2940,
0.1683

289.6335, 0.3077,
0.2416


 17.8809, 0.2895,
0.1525


 55.5400, 0.2998,
0.1931


 10.8645, 0.2834,
0.1338


 74.9110, 0.3018,
0.2029

 5.9758, 0.2745,
0.1114


 98.3316, 0.3033,
0.2115

 2.8304, 0.2612,
0.0849

 126.1863, 0.3045,
0.2190

 1.0438, 0.2403,
0.0544

158.8595, 0.3056,
0.2257

 0.0000, 0.2114,
0.0000

196.7354, 0.3064,

 0.0000, 0.1489,

0.2316

0.0000

240.1986, 0.3071,
0.2368

■ 0.0000, 0.0000,
0.0000

■ 27.4093, 0.2940,
0.1683

■ 27.4093, 0.2940,
0.1683

■ 23.7206, 0.2898,
0.1522

■ 32.4174, 0.2980,
0.1884

■ 21.2046, 0.2854,
0.1405

■ 38.8639, 0.3016,
0.2116

■ 19.6857, 0.2811,
0.1334

■ 46.8583, 0.3049,
0.2368

■ 19.2324, 0.2794,
0.1313

■ 56.4987, 0.3076,
0.2630

■ 67.8748, 0.3100,
0.2892

81.0700, 0.3118,
0.3147

96.1620, 0.3133,
0.3389

98.0610, 0.3157,
0.3406

98.7940, 0.3181,
0.3406

Harmonies

Analogous

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



27.4093, 0.1790, 0.1383



27.4093, 0.2940, 0.1683



27.4093, 0.4523, 0.2263

Triad

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



27.4093, 0.2940, 0.1683



27.4093, 0.5077, 0.4789



27.4093, 0.1056, 0.2764

Complementary

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



27.4093, 0.2940, 0.1683



67.9889, 0.3141, 0.5348

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.



27.4093, 0.1630, 0.4616



27.4093, 0.2940, 0.1683



27.4093, 0.3920, 0.5820

Square

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



27.4093, 0.2940, 0.1683



27.4093, 0.5841, 0.3811



27.4093, 0.2694, 0.6088



27.4093, 0.0946, 0.1757

Rectangle

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



27.4093, 0.2940, 0.1683



27.4093, 0.5436, 0.2748



27.4093, 0.2694, 0.6088



27.4093, 0.1186, 0.3301

Sweetspot

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



27.4105, 0.2940, 0.1683



70.1251, 0.3090, 0.2782



19.3984, 0.1917, 0.1471



14.2519, 0.3084, 0.2708



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.



27.4105, 0.2940, 0.1683



25.3794, 0.2883, 0.1477



28.9521, 0.3800, 0.2231



16.6238, 0.3112, 0.3055



10.6045, 0.2800, 0.1316



0.9677, 0.2855, 0.1346

Inverse Universe

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



26.3538, 0.4951, 0.3047



24.5340, 0.5526, 0.3065



67.7363, 0.2819, 0.4763



16.5265, 0.3268, 0.3252



10.5532, 0.6167, 0.3171



0.9401, 0.5856, 0.2999

Previews

White Background



This preview shows how the Yxy color 27.4093, 0.2940, 0.1683 looks on a white background.

Color Contrast Check

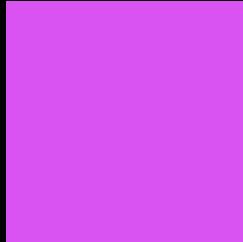
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4093, 0.2940, 0.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

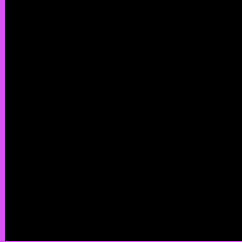
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4093, 0.2940, 0.1683

Background



This preview shows how black text looks on a background with the Yxy color 27.4093, 0.2940, 0.1683.



This preview shows how white text looks on a background with the Yxy color 27.4093, 0.2940, 0.1683.

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

27.4093, 0.2940, 0.1683

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.8966, 0.2095, 0.2040



Tritanopia

27.3087, 0.4052, 0.3175

Trichromacy



Original Color

27.4093, 0.2940, 0.1683



Protanomaly

25.2270, 0.2206, 0.1644



Deuteranomaly

25.2094, 0.2304, 0.1801



Tritanomaly

26.4757, 0.3607, 0.2504

Monochromacy



Original Color

27.4093, 0.2940, 0.1683



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.0823, 0.3065, 0.2471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4093, 0.2940, 0.1683 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(217, 83, 243)` looks like.

```
.text, #text, p{  
    color:rgb(217, 83, 243)  
}
```

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(217, 83, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 83, 243) }
```

Border

The CSS property to change the border of an element to Yxy 27.4093, 0.2940, 0.1683 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(217, 83, 243) }
```

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

```
.border{ border-color:rgb(217, 83, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 83, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 83, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 83, 243);  
box-shadow:4px 4px 4px 4px rgb(217, 83,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4093, 0.2940, 0.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 83, 243) }
```

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

```
.background{ background-color: rgb(217, 83,  
243) }
```

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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