

Converting Colors

Yxy(29.8366, 0.3270, 0.1649)

Have a look what the booklet for
Yxy(29.8366, 0.3270, 0.1649)
contains.

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Color

Yxy(29.8273, 0.3266, 0.1645)

Conversions

Conversions Part 1

Format	Color
Hex	FF2BF9
RGB	255, 43, 249
RGB Percent	100%, 17%, 98%
CMY	0.0000, 0.8319, 0.0235
CMYK	0.00, 0.83, 0.02, 0.00
HSL	302°, 100%, 58%
HSV	302°, 83%, 100%
XYZ	59.2194, 29.8273, 92.2742
YIQ	129.8720, 60.2260, 109.0100

Conversions

Conversions Part 2

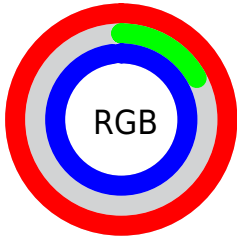
Format	Color
R _Y B	255, 43, 249
Decimal	16722937
CIE Lab	61.50, 92.98, -55.64
CIE LCh	62, 108.351, 329.104
Yxy	29.8273, 0.3266, 0.1645
Android (android.graphics.Color)	4294913017 (0xFFFF2BF9)
YUV	129.8720, 58.7301, 109.7373
Hunter-Lab	54.6144, 97.9759, -61.9439

Details

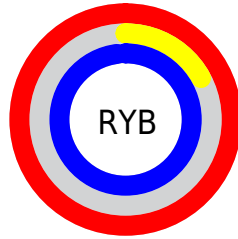
The Yxy color **29.8273, 0.3266, 0.1645** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.2510, 0.2998, 0.5807**, and the grayscale version is **22.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **15.2751, 0.3235, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **28.4682, 0.3276, 0.1596**, and if you desaturate by 10%, it is **32.3239, 0.3253, 0.1737**.

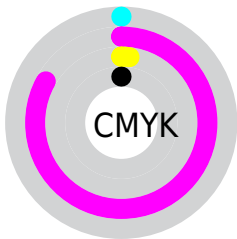
Distribution



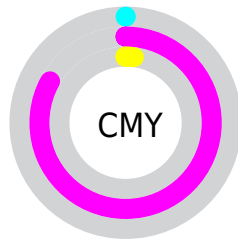
- Red (100%)
- Green (17%)
- Blue (98%)



- Red (100%)
- Yellow (17%)
- Blue (98%)



- Cyan (0%)
- Magenta (83%)
- Yellow (2%)
- Black (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8273, 0.3266, 0.1645 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 29.8273, 0.3266, 0.1645 by changing the saturation by 10% instead.


 29.8273, 0.3266,
0.1645


 29.8273, 0.3266,
0.1645


301.0986, 0.3244,
0.2373


 19.7075, 0.3260,
0.1493


 59.3890, 0.3267,
0.1887


 12.1826, 0.3246,
0.1313


 79.5996, 0.3265,
0.1985


 6.8682, 0.3219,
0.1102


 103.9428, 0.3262,
0.2070

 3.3798, 0.3168,
0.0853

 132.8027, 0.3259,
0.2145

 1.3331, 0.3072,
0.0569

 166.5639, 0.3255,
0.2212

 0.1666, 0.2930,
0.0134

205.6106, 0.3251,

 0.0000, 0.2543,

0.2271

0.0000

250.3274, 0.3248,
0.2325

■ 0.0000, 0.1495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.8273, 0.3266,
0.1645

■ 29.8273, 0.3266,
0.1645

■ 28.4682, 0.3276,
0.1596

■ 32.3239, 0.3253,
0.1737

■ 28.0256, 0.3282,
0.1582

■ 36.1717, 0.3237,
0.1872

■ 41.5161, 0.3221,
0.2047

■ 48.4902, 0.3203,
0.2254

57.2125, 0.3184,
0.2484

67.7906, 0.3166,
0.2726

80.3232, 0.3149,
0.2972

94.9022, 0.3132,
0.3214

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.



29.8273, 0.1866, 0.1265



29.8273, 0.3266, 0.1645



29.8273, 0.5088, 0.2305

Triad

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



29.8273, 0.3266, 0.1645



29.8273, 0.4911, 0.5089



29.8273, 0.0813, 0.2325

Complementary

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



29.8273, 0.3266, 0.1645



72.2510, 0.2998, 0.5807

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.



29.8273, 0.1252, 0.4271



29.8273, 0.3266, 0.1645



29.8273, 0.3561, 0.6271

Square

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



29.8273, 0.3266, 0.1645



29.8273, 0.5942, 0.3938



29.8273, 0.2270, 0.6354



29.8273, 0.0802, 0.1458

Rectangle

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



29.8273, 0.3266, 0.1645



29.8273, 0.5968, 0.2816



29.8273, 0.2270, 0.6354



29.8273, 0.0900, 0.2838

Sweetspot

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



29.8185, 0.3265, 0.1645



65.7355, 0.3169, 0.2682



9.5278, 0.1605, 0.0762



13.2542, 0.3176, 0.2596



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.



29.8185, 0.3265, 0.1645



28.0256, 0.3282, 0.1582



25.0343, 0.4651, 0.2465



18.2910, 0.3142, 0.3062



14.6480, 0.3281, 0.1581



1.4289, 0.3272, 0.1576

Inverse Universe

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



29.8185, 0.3265, 0.1645



28.0256, 0.3282, 0.1582



74.3129, 0.2674, 0.4680



18.2910, 0.3142, 0.3062



14.6480, 0.3281, 0.1581



1.4289, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 29.8273, 0.3266, 0.1645 looks on a white background.

Color Contrast Check

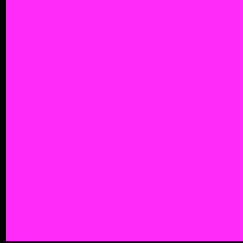
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8273, 0.3266, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

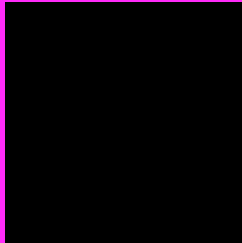
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8273, 0.3266, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 29.8273, 0.3266, 0.1645.



This preview shows how white text looks on a background with the Yxy color 29.8273, 0.3266, 0.1645.

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

29.8273, 0.3266, 0.1645

Protanopia

30.0675, 0.2051, 0.1857

Deuteranopia

30.2598, 0.2158, 0.2099



Tritanopia

29.5736, 0.4768, 0.3223

Trichromacy



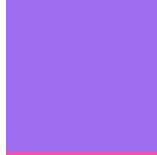
Original Color

29.8273, 0.3266, 0.1645



Protanomaly

24.7855, 0.2329, 0.1577



Deuteranomaly

24.6112, 0.2426, 0.1696



Tritanomaly

28.0203, 0.4215, 0.2507

Monochromacy



Original Color

29.8273, 0.3266, 0.1645



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.8665, 0.3200, 0.2257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8273, 0.3266, 0.1645 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(255, 43, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 249)  
}
```

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(255, 43, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 249) }
```

Border

The CSS property to change the border of an element to Yxy 29.8273, 0.3266, 0.1645 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(255, 43, 249) }
```

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

```
.border{ border-color:rgb(255, 43, 249) }
```

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

Here you see how a box with a 4 pixel rgb(255, 43, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8273, 0.3266, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 249) }
```

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

```
.background{ background-color: rgb(255, 43,  
249) }
```

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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