

Converting Colors

$Y_{xy}(30.0975, 0.3288, 0.1676)$

Have a look what the booklet for
Yxy(30.0975, 0.3288, 0.1676)
contains.

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Color

Yxy(30.0893, 0.3285, 0.1673)

Conversions

Conversions Part 1

Format	Color
Hex	FF30F7
RGB	255, 48, 247
RGB Percent	100%, 19%, 97%
CMY	0.0000, 0.8116, 0.0314
CMYK	0.00, 0.81, 0.03, 0.00
HSL	302°, 100%, 59%
HSV	302°, 81%, 100%
XYZ	59.0815, 30.0893, 90.6816
YIQ	132.5790, 59.4930, 105.7730

Conversions

Conversions Part 2

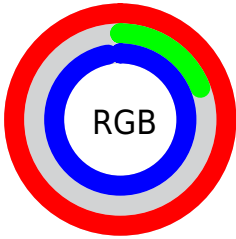
Format	Color
R _Y B	255, 48, 247
Decimal	16724215
CIE Lab	61.73, 91.67, -54.15
CIE LCh	62, 106.469, 329.429
Yxy	30.0893, 0.3285, 0.1673
Android (android.graphics.Color)	4294914295 (0xFFFF30F7)
YUV	132.5790, 56.4096, 107.3632
Hunter-Lab	54.8537, 96.2637, -59.6178

Details

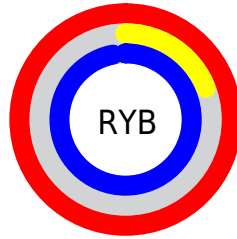
The Yxy color **30.0893, 0.3285, 0.1673** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.4300, 0.2995, 0.5755**, and the grayscale version is **23.0787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **15.1870, 0.3261, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **28.5074, 0.3299, 0.1617**, and if you desaturate by 10%, it is **32.8710, 0.3268, 0.1773**.

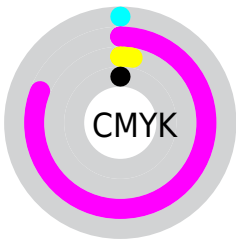
Distribution



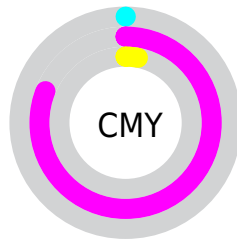
- Red (100%)
- Green (19%)
- Blue (97%)



- Red (100%)
- Yellow (19%)
- Blue (97%)



- Cyan (0%)
- Magenta (81%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (81%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0893, 0.3285, 0.1673 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 30.0893, 0.3285, 0.1673 by changing the saturation by 10% instead.


 30.0893, 0.3285,
0.1673


 30.0893, 0.3285,
0.1673

302.3205, 0.3252,
0.2391

 19.9064, 0.3282,
0.1522

 59.8034, 0.3282,
0.1913


 12.3270, 0.3272,
0.1343


 80.1033, 0.3278,
0.2009

 6.9668, 0.3250,
0.1132


 104.5444, 0.3274,
0.2093

 3.4413, 0.3206,
0.0882

 133.5110, 0.3270,
0.2167

 1.3663, 0.3120,
0.0595

 167.3875, 0.3265,
0.2233

 0.1917, 0.2990,
0.0159

206.5583, 0.3260,

 0.0000, 0.2620,

0.2291

0.0000

251.4078, 0.3256,
0.2344

■ 0.0000, 0.1546,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.0893, 0.3285,
0.1673

■ 30.0893, 0.3285,
0.1673

■ 28.5074, 0.3299,
0.1617

■ 32.8710, 0.3268,
0.1773

■ 27.8591, 0.3310,
0.1597

■ 37.0273, 0.3249,
0.1916

■ 42.7087, 0.3229,
0.2097

■ 50.0449, 0.3208,
0.2308

■ 59.1521, 0.3187,
0.2540

■ 70.1357, 0.3167,
0.2781

■ 83.0930, 0.3147,
0.3025

■ 98.1147, 0.3129,
0.3263

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



30.0893, 0.1897, 0.1292



30.0893, 0.3285, 0.1673



30.0893, 0.5070, 0.2331

Triad

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



30.0893, 0.3285, 0.1673



30.0893, 0.4897, 0.5103



30.0893, 0.0839, 0.2333

Complementary

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



30.0893, 0.3285, 0.1673



72.4300, 0.2995, 0.5755

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.



30.0893, 0.1276, 0.4228



30.0893, 0.3285, 0.1673



30.0893, 0.3563, 0.6238

Square

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



30.0893, 0.3285, 0.1673



30.0893, 0.5902, 0.3962



30.0893, 0.2284, 0.6271



30.0893, 0.0829, 0.1479

Rectangle

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



30.0893, 0.3285, 0.1673



30.0893, 0.5927, 0.2841



30.0893, 0.2284, 0.6271



30.0893, 0.0926, 0.2836

Sweetspot

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



30.0907, 0.3285, 0.1673



66.8231, 0.3172, 0.2712



10.1476, 0.1637, 0.0803



13.4599, 0.3180, 0.2626



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.



30.0907, 0.3285, 0.1673



28.0454, 0.3307, 0.1602



25.4085, 0.4653, 0.2495



18.2875, 0.3144, 0.3065



14.5635, 0.3308, 0.1596



1.4216, 0.3296, 0.1589

Inverse Universe

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



30.0907, 0.3285, 0.1673



28.0454, 0.3307, 0.1602



74.6270, 0.2658, 0.4593



18.2875, 0.3144, 0.3065



14.5635, 0.3308, 0.1596



1.4216, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 30.0893, 0.3285, 0.1673 looks on a white background.

Color Contrast Check

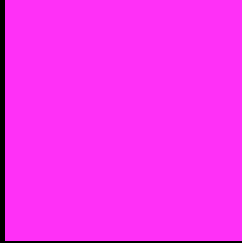
Large Text (above 18pt) WCAG AA × Fail

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 30.0893, 0.3285, 0.1673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

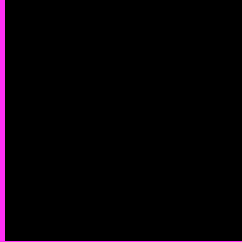
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0893, 0.3285, 0.1673

Background



This preview shows how black text looks on a background with the Yxy color 30.0893, 0.3285, 0.1673.



This preview shows how white text looks on a background with the Yxy color 30.0893, 0.3285, 0.1673.

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

30.0893, 0.3285, 0.1673

Protanopia

30.4871, 0.2063, 0.1873

Deuteranopia

30.3211, 0.2183, 0.2124



Tritanopia

29.9738, 0.4758, 0.3223

Trichromacy



Original Color

30.0893, 0.3285, 0.1673



Protanomaly

25.2481, 0.2346, 0.1607



Deuteranomaly

25.1323, 0.2458, 0.1739



Tritanomaly

28.5067, 0.4220, 0.2527

Monochromacy



Original Color

30.0893, 0.3285, 0.1673



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9058, 0.3210, 0.2304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0893, 0.3285, 0.1673 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, 48, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 247)  
}
```

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, 48, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 247) }
```

Border

The CSS property to change the border of an element to Yxy 30.0893, 0.3285, 0.1673 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, 48, 247) }
```

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

```
.border{ border-color:rgb(255, 48, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0893, 0.3285, 0.1673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 247) }
```

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

```
.background{ background-color: rgb(255, 48,  
247) }
```

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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