

Converting Colors

Yxy(29.8118, 0.3191, 0.1598)

Have a look what the booklet for
Yxy(29.8118, 0.3191, 0.1598)
contains.

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Color

Yxy(29.7586, 0.3187, 0.1597)

Conversions

Conversions Part 1

Format	Color
Hex	FD2AFF
RGB	253, 42, 255
RGB Percent	99%, 16%, 100%
CMY	0.0078, 0.8353, 0.0001
CMYK	0.01, 0.84, 0.00, 0.00
HSL	299°, 100%, 58%
HSV	299°, 84%, 100%
XYZ	59.3868, 29.7586, 97.1953
YIQ	129.3710, 57.3830, 110.9750

Conversions

Conversions Part 2

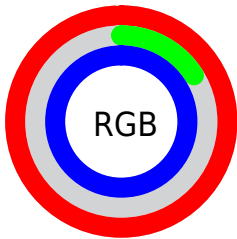
Format	Color
R _Y B	253, 42, 255
Decimal	16591615
CIE Lab	61.45, 93.64, -59.04
CIE LCh	61, 110.697, 327.765
Yxy	29.7586, 0.3187, 0.1597
Android (android.graphics.Color)	4294781695 (0xFFFD2AFF)
YUV	129.3710, 61.9351, 108.4226
Hunter-Lab	54.5514, 98.8568, -67.4520

Details

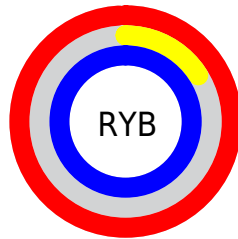
The Yxy color **29.7586, 0.3187, 0.1597** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.2017, 0.3011, 0.5843**, and the grayscale version is **21.8534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **15.2377, 0.3146, 0.1507** is the 20% darker color. If you saturate the color by 10%, you get **28.4461, 0.3187, 0.1545**, and if you desaturate by 10%, it is **32.2213, 0.3185, 0.1691**.

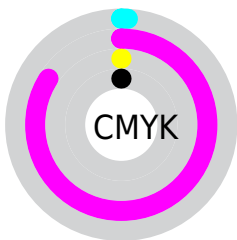
Distribution



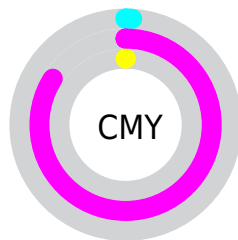
- Red (99%)
- Green (16%)
- Blue (100%)



- Red (99%)
- Yellow (16%)
- Blue (100%)



- Cyan (1%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7586, 0.3187, 0.1597 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 29.7586, 0.3187, 0.1597 by changing the saturation by 10% instead.

 29.7586, 0.3187,
0.1597


 29.7586, 0.3187,
0.1597


300.7776, 0.3207,
0.2340


 19.6554, 0.3170,
0.1443


 59.2802, 0.3204,
0.1843


 12.1448, 0.3143,
0.1263


 79.4674, 0.3208,
0.1942

 6.8424, 0.3099,
0.1052


 103.7848, 0.3209,
0.2029

 3.3637, 0.3026,
0.0807

 132.6167, 0.3210,
0.2106

 1.3244, 0.2902,
0.0531

 166.3476, 0.3210,
0.2175

 0.1600, 0.2720,
0.0119

205.3617, 0.3209,

 0.0000, 0.2301,

0.2236

0.0000

250.0436, 0.3208,
0.2291

■ 0.0000, 0.1306,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7586, 0.3187,
0.1597

■ 29.7586, 0.3187,
0.1597

■ 28.4461, 0.3187,
0.1545

■ 32.2213, 0.3185,
0.1691

■ 28.0322, 0.3186,
0.1529

■ 36.0190, 0.3182,
0.1829

■ 41.3078, 0.3176,
0.2007

■ 48.2216, 0.3169,
0.2219

56.8792, 0.3160,
0.2453

67.3884, 0.3151,
0.2702

79.8482, 0.3141,
0.2955

94.3507, 0.3131,
0.3204

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



29.7586, 0.1798, 0.1229



29.7586, 0.3187, 0.1597



29.7586, 0.5051, 0.2252

Triad

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



29.7586, 0.3187, 0.1597



29.7586, 0.4969, 0.5031



29.7586, 0.0792, 0.2361

Complementary

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



29.7586, 0.3187, 0.1597



72.2017, 0.3011, 0.5843

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.



29.7586, 0.1251, 0.4404



29.7586, 0.3187, 0.1597



29.7586, 0.3606, 0.6276

Square

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



29.7586, 0.3187, 0.1597



29.7586, 0.6009, 0.3879



29.7586, 0.2294, 0.6481



29.7586, 0.0769, 0.1451

Rectangle

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



29.7586, 0.3187, 0.1597



29.7586, 0.5983, 0.2763



29.7586, 0.2294, 0.6481



29.7586, 0.0883, 0.2902

Sweetspot

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



29.7600, 0.3187, 0.1597



65.7402, 0.3152, 0.2665



9.6289, 0.1597, 0.0770



13.2554, 0.3155, 0.2577



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.



29.7600, 0.3187, 0.1597



28.0399, 0.3186, 0.1529



25.1779, 0.4547, 0.2399



18.2914, 0.3137, 0.3056



14.6554, 0.3186, 0.1529



1.4296, 0.3189, 0.1530

Inverse Universe

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



23.0912, 0.6056, 0.3290



21.2651, 0.6394, 0.3296



74.0348, 0.2703, 0.4786



17.9898, 0.3293, 0.3288



11.1126, 0.6391, 0.3295



1.0829, 0.6369, 0.3282

Previews

White Background



This preview shows how the Yxy color 29.7586, 0.3187, 0.1597 looks on a white background.

Color Contrast Check

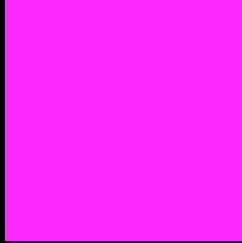
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7586, 0.3187, 0.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

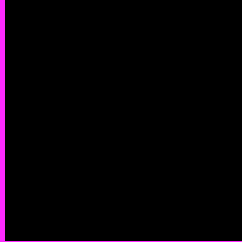
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7586, 0.3187, 0.1597

Background



This preview shows how black text looks on a background with the Yxy color 29.7586, 0.3187, 0.1597.



This preview shows how white text looks on a background with the Yxy color 29.7586, 0.3187, 0.1597.

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

29.7586, 0.3187, 0.1597

Protanopia

30.0675, 0.2051, 0.1857

Deuteranopia

30.1133, 0.2098, 0.2039



Tritanopia

29.5048, 0.4700, 0.3221

Trichromacy



Original Color

29.7586, 0.3187, 0.1597



Protanomaly

24.8151, 0.2310, 0.1561



Deuteranomaly

24.3237, 0.2347, 0.1639



Tritanomaly

27.9578, 0.4134, 0.2467

Monochromacy



Original Color

29.7586, 0.3187, 0.1597



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6432, 0.3165, 0.2217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7586, 0.3187, 0.1597 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(253, 42, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 42, 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(253, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 42, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.7586, 0.3187, 0.1597 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(253, 42, 255) }
```

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

```
.border{ border-color:rgb(253, 42, 255) }
```

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

Here you see how a box with a 4 pixel rgb(253, 42, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 42,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7586, 0.3187, 0.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 42, 255) }
```

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

```
.background{ background-color: rgb(253, 42,  
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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