

Converting Colors

$Y_{xy}(29.3680, 0.3208, 0.1577)$

Have a look what the booklet for
Yxy(29.3680, 0.3208, 0.1577)
contains.

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Color

Yxy(29.3587, 0.3208, 0.1577)

Conversions

Conversions Part 1

Format	Color
Hex	FF1DFF
RGB	255, 29, 255
RGB Percent	100%, 11%, 100%
CMY	0.0000, 0.8859, 0.0002
CMYK	0.00, 0.89, 0.00, 0.00
HSL	300°, 100%, 56%
HSV	300°, 89%, 100%
XYZ	59.7227, 29.3587, 97.0866
YIQ	122.3380, 62.1500, 118.1980

Conversions

Conversions Part 2

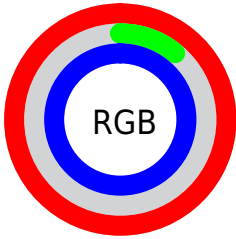
Format	Color
R _Y B	255, 29, 255
Decimal	16719359
CIE Lab	61.10, 95.94, -59.57
CIE LCh	61, 112.933, 328.162
Yxy	29.3587, 0.3208, 0.1577
Android (android.graphics.Color)	4294909439 (0xFFFF1DFF)
YUV	122.3380, 65.4024, 116.3446
Hunter-Lab	54.1837, 101.9261, -68.3076

Details

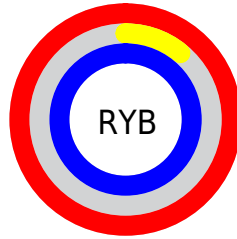
The Yxy color **29.3587, 0.3208, 0.1577** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **71.8718, 0.3004, 0.5916**, and the grayscale version is **19.3616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.5545, 0.3210, 0.1545**, and if you desaturate by 10%, it is **31.1708, 0.3205, 0.1648**.

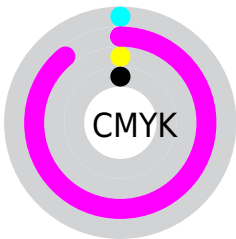
Distribution



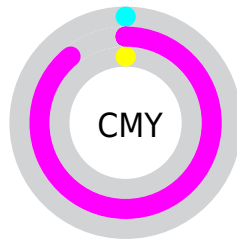
- Red (100%)
- Green (11%)
- Blue (100%)



- Red (100%)
- Yellow (11%)
- Blue (100%)



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3587, 0.3208, 0.1577 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 29.3587, 0.3208, 0.1577 by changing the saturation by 10% instead.


 29.3587, 0.3208,
0.1577


 29.3587, 0.3208,
0.1577


298.9037, 0.3219,
0.2327

 19.3523, 0.3193,
0.1422


 58.6465, 0.3222,
0.1825


 11.9251, 0.3168,
0.1241


 78.6967, 0.3224,
0.1925


 6.6927, 0.3126,
0.1030


 102.8637, 0.3225,
0.2013

 3.2707, 0.3056,
0.0785

 131.5319, 0.3225,
0.2091

 1.2746, 0.2935,
0.0511

 165.0855, 0.3224,
0.2160

 0.1214, 0.2761,
0.0090

203.9091, 0.3223,

 0.0000, 0.2341,

0.2222

0.0000

248.3870, 0.3221,
0.2277

■ 0.0000, 0.1377,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3587, 0.3208,
0.1577

■ 29.3587, 0.3208,
0.1577

■ 28.5545, 0.3210,
0.1545

■ 31.1708, 0.3205,
0.1648


■ 28.4765, 0.3210,
0.1542

■ 34.2281, 0.3199,
0.1762

■ 38.7017, 0.3192,
0.1918

■ 44.7350, 0.3183,
0.2112

 52.4540, 0.3172,
0.2335

 61.9716, 0.3161,
0.2576

 73.3912, 0.3149,
0.2827

 86.8083, 0.3137,
0.3079

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.



29.3587, 0.1787, 0.1203



29.3587, 0.3208, 0.1577



29.3587, 0.5117, 0.2239

Triad

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



29.3587, 0.3208, 0.1577



29.3587, 0.4954, 0.5046



29.3587, 0.0756, 0.2314

Complementary

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



29.3587, 0.3208, 0.1577



71.8718, 0.3004, 0.5916

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.



29.3587, 0.1202, 0.4394



29.3587, 0.3208, 0.1577



29.3587, 0.3569, 0.6344

Square

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



29.3587, 0.3208, 0.1577



29.3587, 0.6039, 0.3874



29.3587, 0.2243, 0.6557



29.3587, 0.0742, 0.1412

Rectangle

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



29.3587, 0.3208, 0.1577



29.3587, 0.6057, 0.2752



29.3587, 0.2243, 0.6557



29.3587, 0.0843, 0.2859

Sweetspot

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



29.3601, 0.3208, 0.1577



63.6601, 0.3159, 0.2616



8.3656, 0.1550, 0.0682



12.8636, 0.3163, 0.2531



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.



29.3601, 0.3208, 0.1577



28.4766, 0.3210, 0.1542



24.0974, 0.4729, 0.2447



18.3003, 0.3138, 0.3056



14.8797, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

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



29.3601, 0.3208, 0.1577



28.4766, 0.3210, 0.1542



73.7367, 0.2698, 0.4833



18.3003, 0.3138, 0.3056



14.8797, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.3587, 0.3208, 0.1577 looks on a white background.

Color Contrast Check

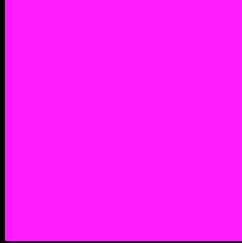
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3587, 0.3208, 0.1577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

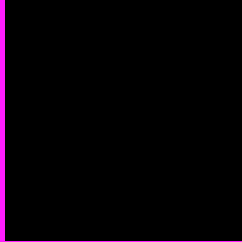
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3587, 0.3208, 0.1577

Background



This preview shows how black text looks on a background with the Yxy color 29.3587, 0.3208, 0.1577.



This preview shows how white text looks on a background with the Yxy color 29.3587, 0.3208, 0.1577.

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

29.3587, 0.3208, 0.1577

Protanopia

29.6533, 0.2039, 0.1841

Deuteranopia

29.6952, 0.2086, 0.2022



Tritanopia

29.1553, 0.4791, 0.3233

Trichromacy



Original Color

29.3587, 0.3208, 0.1577



Protanomaly

23.5928, 0.2301, 0.1503



Deuteranomaly

23.2750, 0.2339, 0.1587

Tritanomaly

27.1900, 0.4216, 0.2451

Monochromacy



Original Color

29.3587, 0.3208, 0.1577



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4278, 0.3181, 0.2145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3587, 0.3208, 0.1577 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, 29, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 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(255, 29, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.3587, 0.3208, 0.1577 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, 29, 255) }
```

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

```
.border{ border-color:rgb(255, 29, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3587, 0.3208, 0.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 255) }
```

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

```
.background{ background-color: rgb(255, 29,  
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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