

Converting Colors

$Y_{xy}(29.3152, 0.3208, 0.1575)$

Have a look what the booklet for
Yxy(29.3152, 0.3208, 0.1575)
contains.

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Color

Yxy(29.3105, 0.3208, 0.1575)

Conversions

Conversions Part 1

Format	Color
Hex	FF1CFF
RGB	255, 28, 255
RGB Percent	100%, 11%, 100%
CMY	0.0000, 0.8899, 0.0001
CMYK	0.00, 0.89, 0.00, 0.00
HSL	300°, 100%, 56%
HSV	300°, 89%, 100%
XYZ	59.7004, 29.3105, 97.0875
YIQ	121.7510, 62.4250, 118.7210

Conversions

Conversions Part 2

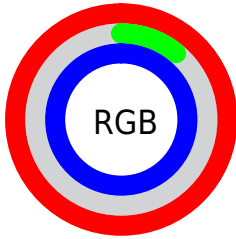
Format	Color
R _Y B	255, 28, 255
Decimal	16719103
CIE Lab	61.05, 96.07, -59.65
CIE LCh	61, 113.081, 328.165
Yxy	29.3105, 0.3208, 0.1575
Android (android.graphics.Color)	4294909183 (0xFFFF1CFF)
YUV	121.7510, 65.6918, 116.8594
Hunter-Lab	54.1392, 102.0920, -68.4271

Details

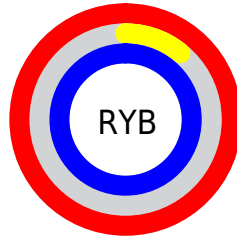
The Yxy color **29.3105, 0.3208, 0.1575** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **71.8523, 0.3004, 0.5921**, and the grayscale version is **19.1573, 0.3127, 0.3290**.

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 **28.5332, 0.3209, 0.1544**, and if you desaturate by 10%, it is **31.0767, 0.3205, 0.1644**.

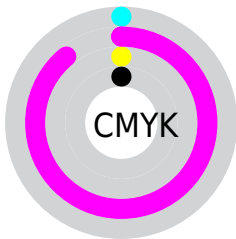
Distribution



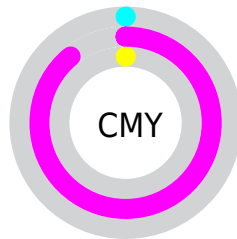
- Red (100%)
- Green (11%)
- Blue (100%)



- 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 29.3105, 0.3208, 0.1575 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 29.3105, 0.3208, 0.1575 by changing the saturation by 10% instead.


 29.3105, 0.3208,
0.1575


 29.3105, 0.3208,
0.1575


298.6772, 0.3219,
0.2326

 19.3158, 0.3193,
0.1420

 58.5700, 0.3222,
0.1823

 11.8987, 0.3168,
0.1239


 78.6037, 0.3225,
0.1924


 6.6747, 0.3126,
0.1028


 102.7525, 0.3225,
0.2012

 3.2595, 0.3056,
0.0783

 131.4008, 0.3225,
0.2089

 1.2687, 0.2934,
0.0509

 164.9331, 0.3224,
0.2159

 0.1168, 0.2760,
0.0087

203.7336, 0.3223,

 0.0000, 0.2339,

0.2220

0.0000

248.1868, 0.3221,
0.2276

■ 0.0000, 0.1372,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3105, 0.3208,
0.1575

■ 29.3105, 0.3208,
0.1575

■ 28.5332, 0.3209,
0.1544


■ 31.0767, 0.3205,
0.1644

■ 28.4774, 0.3210,
0.1542

■ 34.0807, 0.3199,
0.1756

■ 38.4949, 0.3192,
0.1911

■ 44.4634, 0.3183,
0.2104

 52.1129, 0.3173,
0.2325

 61.5567, 0.3161,
0.2566

 72.8986, 0.3149,
0.2817

 86.2342, 0.3138,
0.3069

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.



29.3105, 0.1785, 0.1201



29.3105, 0.3208, 0.1575



29.3105, 0.5121, 0.2238

Triad

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



29.3105, 0.3208, 0.1575



29.3105, 0.4954, 0.5046



29.3105, 0.0753, 0.2312

Complementary

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



29.3105, 0.3208, 0.1575



71.8523, 0.3004, 0.5921

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.



29.3105, 0.1199, 0.4395



29.3105, 0.3208, 0.1575



29.3105, 0.3567, 0.6348

Square

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



29.3105, 0.3208, 0.1575



29.3105, 0.6042, 0.3873



29.3105, 0.2240, 0.6564



29.3105, 0.0740, 0.1409

Rectangle

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



29.3105, 0.3208, 0.1575



29.3105, 0.6062, 0.2751



29.3105, 0.2240, 0.6564



29.3105, 0.0841, 0.2857

Sweetspot

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



29.3116, 0.3208, 0.1575



63.6603, 0.3159, 0.2616



8.3019, 0.1547, 0.0678



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.



29.3116, 0.3208, 0.1575



28.4774, 0.3210, 0.1542



24.0331, 0.4739, 0.2449



18.3004, 0.3138, 0.3056



14.8801, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

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



29.3116, 0.3208, 0.1575



28.4774, 0.3210, 0.1542



73.7070, 0.2698, 0.4841



18.3004, 0.3138, 0.3056



14.8801, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.3105, 0.3208, 0.1575 looks on a white background.

Color Contrast Check

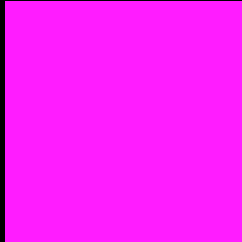
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3105, 0.3208, 0.1575 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 29.3105, 0.3208, 0.1575

Background



This preview shows how black text looks on a background with the Yxy color 29.3105, 0.3208, 0.1575.



This preview shows how white text looks on a background with the Yxy color 29.3105, 0.3208, 0.1575.

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

29.3105, 0.3208, 0.1575

Protanopia

29.6533, 0.2039, 0.1841

Deuteranopia

29.6952, 0.2086, 0.2022



Tritanopia

28.9576, 0.4798, 0.3223

Trichromacy



Original Color

29.3105, 0.3208, 0.1575



Protanomaly

23.5928, 0.2301, 0.1503



Deuteranomaly

23.0725, 0.2337, 0.1577



Tritanomaly

27.0533, 0.4218, 0.2444

Monochromacy



Original Color

29.3105, 0.3208, 0.1575



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 29.3105, 0.3208, 0.1575 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, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 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, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.3105, 0.3208, 0.1575 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, 28, 255) }
```

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

```
.border{ border-color:rgb(255, 28, 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, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3105, 0.3208, 0.1575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 255) }
```

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

```
.background{ background-color: rgb(255, 28,  
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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