

Converting Colors

$Yxy(29.1357, 0.3208, 0.1568)$

Have a look what the booklet for
Yxy(29.1357, 0.3208, 0.1568)
contains.

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Color

Yxy(29.1333, 0.3208, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	FF18FF
RGB	255, 24, 255
RGB Percent	100%, 9%, 100%
CMY	0.0001, 0.9051, 0.0001
CMYK	0.00, 0.91, 0.00, 0.00
HSL	300°, 100%, 55%
HSV	300°, 91%, 100%
XYZ	59.6044, 29.1333, 97.0615
YIQ	119.4030, 63.5250, 120.8130

Conversions

Conversions Part 2

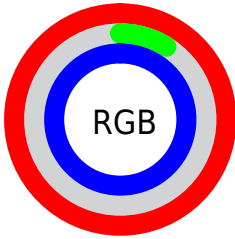
Format	Color
R _Y B	255, 24, 255
Decimal	16718079
CIE Lab	60.90, 96.51, -59.90
CIE LCh	61, 113.588, 328.175
Yxy	29.1333, 0.3208, 0.1568
Android (android.graphics.Color)	4294908159 (0xFFFF18FF)
YUV	119.4030, 66.8493, 118.9186
Hunter-Lab	53.9753, 102.6590, -68.8360

Details

The Yxy color **29.1333, 0.3208, 0.1568** 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 **71.7660, 0.3003, 0.5937**, and the grayscale version is **18.3886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.4726, 0.3209, 0.1542**, and if you desaturate by 10%, it is **30.7290, 0.3205, 0.1631**.

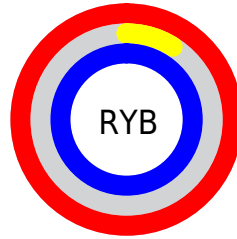
Distribution



Red (100%)

Green (9%)

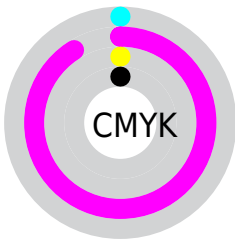
Blue (100%)



Red (100%)

Yellow (9%)

Blue (100%)

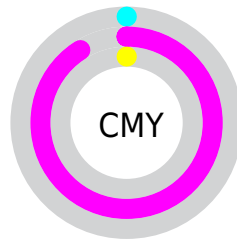


Cyan (0%)

Magenta (91%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1333, 0.3208, 0.1568 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 29.1333, 0.3208, 0.1568 by changing the saturation by 10% instead.


 29.1333, 0.3208,
0.1568


 29.1333, 0.3208,
0.1568


297.8434, 0.3220,
0.2322

 19.1817, 0.3193,
0.1413


 58.2888, 0.3222,
0.1817


 11.8016, 0.3167,
0.1231


 78.2615, 0.3225,
0.1918


 6.6088, 0.3125,
0.1020


 102.3433, 0.3226,
0.2006

 3.2186, 0.3054,
0.0774

 130.9187, 0.3226,
0.2084

 1.2469, 0.2931,
0.0501

 164.3720, 0.3225,
0.2154

 0.0995, 0.2756,
0.0074

203.0876, 0.3223,

 0.0000, 0.2330,

0.2216

0.0000

247.4499, 0.3222,
0.2272

■ 0.0000, 0.1354,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.1333, 0.3208,
0.1568

■ 29.1333, 0.3208,
0.1568

■ 28.4726, 0.3209,
0.1542

■ 30.7290, 0.3205,
0.1631

■ 33.5328, 0.3200,
0.1736

■ 37.7225, 0.3193,
0.1885

■ 43.4458, 0.3184,
0.2072

50.8312, 0.3174,
0.2290

59.9941, 0.3163,
0.2529

71.0394, 0.3151,
0.2779

84.0639, 0.3139,
0.3031

99.1577, 0.3128,
0.3278

Harmonies

Analogous

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



29.1333, 0.1779, 0.1194



29.1333, 0.3208, 0.1568



29.1333, 0.5133, 0.2232

Triad

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



29.1333, 0.3208, 0.1568



29.1333, 0.4954, 0.5046



29.1333, 0.0745, 0.2304

Complementary

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



29.1333, 0.3208, 0.1568



71.7660, 0.3003, 0.5937

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.



29.1333, 0.1189, 0.4401



29.1333, 0.3208, 0.1568



29.1333, 0.3562, 0.6364

Square

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



29.1333, 0.3208, 0.1568



29.1333, 0.6052, 0.3869



29.1333, 0.2230, 0.6588



29.1333, 0.0732, 0.1401

Rectangle

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



29.1333, 0.3208, 0.1568



29.1333, 0.6078, 0.2745



29.1333, 0.2230, 0.6588



29.1333, 0.0831, 0.2851

Sweetspot

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



29.1347, 0.3208, 0.1568



63.6609, 0.3159, 0.2616



8.0770, 0.1538, 0.0662



12.8638, 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.



29.1347, 0.3208, 0.1568



28.4796, 0.3209, 0.1542



23.7982, 0.4776, 0.2457



18.3004, 0.3138, 0.3056



14.8812, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



29.1347, 0.3208, 0.1568



28.4796, 0.3209, 0.1542



73.5806, 0.2702, 0.4869



18.3004, 0.3138, 0.3056



14.8812, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.1333, 0.3208, 0.1568 looks on a white background.

Color Contrast Check

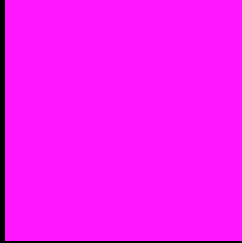
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1333, 0.3208, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

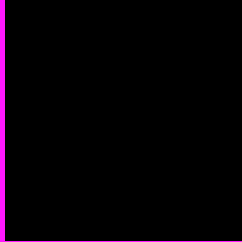
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1333, 0.3208, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 29.1333, 0.3208, 0.1568.



This preview shows how white text looks on a background with the Yxy color 29.1333, 0.3208, 0.1568.

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

29.1333, 0.3208, 0.1568

Protanopia

29.5994, 0.2034, 0.1839

Deuteranopia

29.6447, 0.2081, 0.2020



Tritanopia

28.9576, 0.4798, 0.3223

Trichromacy



Original Color

29.1333, 0.3208, 0.1568



Protanomaly

23.1066, 0.2291, 0.1481



Deuteranomaly

22.7771, 0.2328, 0.1563



Tritanomaly

26.9187, 0.4221, 0.2437

Monochromacy



Original Color

29.1333, 0.3208, 0.1568



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7966, 0.3182, 0.2115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1333, 0.3208, 0.1568 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, 24, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 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, 24, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1333, 0.3208, 0.1568 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, 24, 255) }
```

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

```
.border{ border-color:rgb(255, 24, 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, 24, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1333, 0.3208, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 255) }
```

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

```
.background{ background-color: rgb(255, 24,  
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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