

Converting Colors

$Y_{xy}(28.8265, 0.3098, 0.1579)$

Have a look what the booklet for
Yxy(28.8265, 0.3098, 0.1579)
contains.

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Color

Yxy(28.8207, 0.3097, 0.1579)

Conversions

Conversions Part 1

Format	Color
Hex	F433FF
RGB	244, 51, 255
RGB Percent	96%, 20%, 100%
CMY	0.0433, 0.7995, 0.0001
CMYK	0.04, 0.80, 0.00, 0.00
HSL	297°, 100%, 60%
HSV	297°, 80%, 100%
XYZ	56.5280, 28.8207, 97.1763
YIQ	131.9630, 49.5440, 104.3600

Conversions

Conversions Part 2

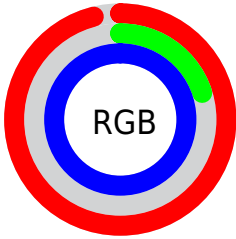
Format	Color
R _Y B	244, 51, 255
Decimal	16004095
CIE Lab	60.62, 90.21, -60.45
CIE LCh	61, 108.590, 326.173
Yxy	28.8207, 0.3097, 0.1579
Android (android.graphics.Color)	4294194175 (0xFFFF433FF)
YUV	131.9630, 60.6572, 98.2564
Hunter-Lab	53.6849, 94.0045, -69.7428

Details

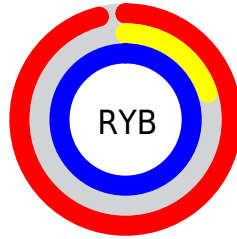
The Yxy color **28.8207, 0.3097, 0.1579** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.7778, 0.3036, 0.5762**, and the grayscale version is **22.8447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **14.0985, 0.3031, 0.1443** is the 20% darker color. If you saturate the color by 10%, you get **26.9204, 0.3085, 0.1504**, and if you desaturate by 10%, it is **31.9457, 0.3108, 0.1699**.

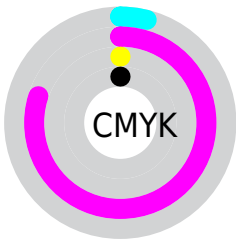
Distribution



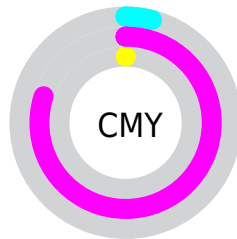
- Red (96%)
- Green (20%)
- Blue (100%)



- Red (96%)
- Yellow (20%)
- Blue (100%)



- Cyan (4%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8207, 0.3097, 0.1579 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 28.8207, 0.3097, 0.1579 by changing the saturation by 10% instead.

 28.8207, 0.3097,
0.1579


 28.8207, 0.3097,
0.1579


296.3680, 0.3162,
0.2333


 18.9452, 0.3069,
0.1423


 57.7921, 0.3130,
0.1829

 11.6307, 0.3028,
0.1240


 77.6568, 0.3140,
0.1930

 6.4927, 0.2966,
0.1026


 101.6200, 0.3147,
0.2018

 3.1470, 0.2870,
0.0778

 130.0662, 0.3152,
0.2096

 1.2089, 0.2713,
0.0501

 163.3797, 0.3156,
0.2165

 0.0690, 0.2495,
0.0053

201.9449, 0.3159,

 0.0000, 0.2013,

0.2227

0.0000

246.1462, 0.3161,
0.2283

■ 0.0000, 0.0685,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.8207, 0.3097,
0.1579

■ 28.8207, 0.3097,
0.1579

■ 26.9204, 0.3085,
0.1504

■ 31.9457, 0.3108,
0.1699


■ 25.9571, 0.3071,
0.1466


■ 36.4661, 0.3117,
0.1861


■ 25.9534, 0.3071,
0.1466

■ 42.5296, 0.3123,
0.2061

■ 50.2639, 0.3128,
0.2289

 59.7838, 0.3130,
0.2535

 71.1936, 0.3130,
0.2790

 84.5898, 0.3129,
0.3044

99.9968, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



28.8207, 0.1753, 0.1228



28.8207, 0.3097, 0.1579



28.8207, 0.4943, 0.2220

Triad

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



28.8207, 0.3097, 0.1579



28.8207, 0.5036, 0.4964



28.8207, 0.0815, 0.2447

Complementary

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



28.8207, 0.3097, 0.1579



72.7778, 0.3036, 0.5762

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.



28.8207, 0.1306, 0.4530



28.8207, 0.3097, 0.1579



28.8207, 0.3687, 0.6207

Square

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



28.8207, 0.3097, 0.1579



28.8207, 0.6033, 0.3834



28.8207, 0.2372, 0.6499



28.8207, 0.0773, 0.1491

Rectangle

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



28.8207, 0.3097, 0.1579



28.8207, 0.5909, 0.2729



28.8207, 0.2372, 0.6499



28.8207, 0.0916, 0.3007

Sweetspot

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



28.8220, 0.3097, 0.1579



66.3522, 0.3130, 0.2686



11.6728, 0.1655, 0.0907



13.3443, 0.3130, 0.2595



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.



28.8220, 0.3097, 0.1579



26.2762, 0.3077, 0.1478



26.4113, 0.4305, 0.2304



18.2474, 0.3129, 0.3055



13.5850, 0.3074, 0.1467



1.3374, 0.3090, 0.1476

Inverse Universe

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



23.9839, 0.5835, 0.3232



21.5451, 0.6303, 0.3271



74.0933, 0.2740, 0.4855



18.0030, 0.3286, 0.3278



11.1315, 0.6346, 0.3270



1.0892, 0.6219, 0.3200

Previews

White Background



This preview shows how the Yxy color 28.8207, 0.3097, 0.1579 looks on a white background.

Color Contrast Check

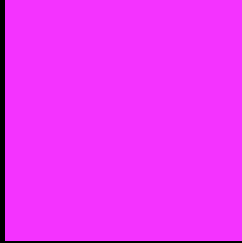
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8207, 0.3097, 0.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

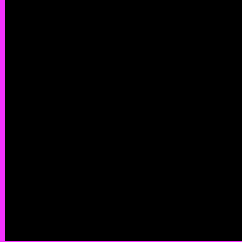
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8207, 0.3097, 0.1579

Background



This preview shows how black text looks on a background with the Yxy color 28.8207, 0.3097, 0.1579.



This preview shows how white text looks on a background with the Yxy color 28.8207, 0.3097, 0.1579.

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

28.8207, 0.3097, 0.1579

Protanopia

29.1921, 0.2023, 0.1823

Deuteranopia

29.1496, 0.2052, 0.1990



Tritanopia

28.4801, 0.4558, 0.3205

Trichromacy



Original Color

28.8207, 0.3097, 0.1579



Protanomaly

24.6678, 0.2268, 0.1561



Deuteranomaly

24.0818, 0.2282, 0.1628



Tritanomaly

27.0988, 0.3997, 0.2444

Monochromacy



Original Color

28.8207, 0.3097, 0.1579



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7591, 0.3127, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8207, 0.3097, 0.1579 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(244, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 51, 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(244, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.8207, 0.3097, 0.1579 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(244, 51, 255) }
```

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

```
.border{ border-color:rgb(244, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8207, 0.3097, 0.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 51, 255) }
```

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

```
.background{ background-color: rgb(244, 51,  
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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