

Converting Colors

$Y_{xy}(27.3591, 0.3288, 0.1585)$

Have a look what the booklet for
Yxy(27.3591, 0.3288, 0.1585)
contains.

Yxy(27.2880, 0.3281, 0.1581)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.2880, 0.3281, 0.1581)

Conversions

Conversions Part 1

Format	Color
Hex	FC00F5
RGB	252, 0, 245
RGB Percent	99%, 0%, 96%
CMY	0.0117, 1.0000, 0.0391
CMYK	0.00, 1.00, 0.03, 0.01
HSL	302°, 100%, 49%
HSV	302°, 100%, 99%
XYZ	56.6299, 27.2880, 88.6817
YIQ	103.2780, 71.5470, 129.6190

Conversions

Conversions Part 2

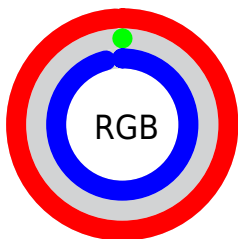
Format	Color
R_{YB}	252, 0, 245
Decimal	16515317
CIE Lab	59.24, 96.42, -57.05
CIE LCh	59, 112.036, 329.388
Yxy	27.2880, 0.3281, 0.1581
Android (android.graphics.Color)	4294705397 (0xFFFC00F5)
YUV	103.2780, 69.8689, 130.4292
Hunter-Lab	52.2379, 102.0914, -64.0871

Details

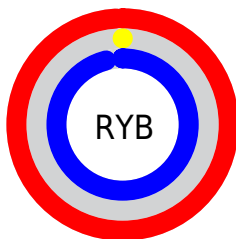
The Yxy color **27.2880, 0.3281, 0.1581** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **69.6409, 0.2997, 0.5988**, and the grayscale version is **13.4396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.5780, 0.3236, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **27.2905, 0.3281, 0.1581**, and if you desaturate by 10%, it is **28.0371, 0.3272, 0.1607**.

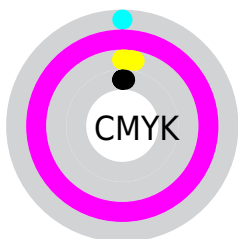
Distribution



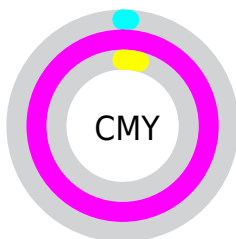
- Red (99%)
- Green (0%)
- Blue (96%)



- Red (99%)
- Yellow (0%)
- Blue (96%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2880, 0.3281, 0.1581 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 27.2880, 0.3281, 0.1581 by changing the saturation by 10% instead.


 27.2880, 0.3281,
0.1581


 27.2880, 0.3281,
0.1581


289.0489, 0.3255,
0.2340


 17.7896, 0.3274,
0.1423


 55.3457, 0.3282,
0.1834

 10.7991, 0.3259,
0.1236


 74.6738, 0.3279,
0.1935


 5.9319, 0.3229,
0.1018


 98.0472, 0.3276,
0.2024

 2.8037, 0.3172,
0.0764

 125.8505, 0.3272,
0.2103

 1.0301, 0.3064,
0.0480

 158.4678, 0.3268,
0.2172

 0.0000, 0.2915,
0.0000

196.2838, 0.3263,

 0.0000, 0.2460,

0.2234

0.0000

239.6827, 0.3259,
0.2290

■ 0.0000, 0.0965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.2880, 0.3281,
0.1581

■ 27.2880, 0.3281,
0.1581

■ 27.2905, 0.3281,
0.1581

■ 28.0371, 0.3272,
0.1607

■ 29.6919, 0.3261,
0.1669

■ 32.5335, 0.3247,
0.1775

■ 36.7317, 0.3232,
0.1924

■ 42.4287, 0.3214,
0.2110

■ 49.7487, 0.3196,
0.2326

■ 58.8032, 0.3178,
0.2560

■ 69.6937, 0.3160,
0.2805

■ 82.5139, 0.3143,
0.3050

Harmonies

Analogous

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



27.2880, 0.1814, 0.1193



27.2880, 0.3281, 0.1581



27.2880, 0.5221, 0.2255

Triad

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



27.2880, 0.3281, 0.1581



27.2880, 0.4901, 0.5099



27.2880, 0.0727, 0.2238

Complementary

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



27.2880, 0.3281, 0.1581



69.6409, 0.2997, 0.5988

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.



27.2880, 0.1146, 0.4300



27.2880, 0.3281, 0.1581



27.2880, 0.3499, 0.6427

Square

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



27.2880, 0.3281, 0.1581



27.2880, 0.6037, 0.3906



27.2880, 0.2168, 0.6574



27.2880, 0.0729, 0.1370

Rectangle

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



27.2880, 0.3281, 0.1581



27.2880, 0.6136, 0.2770



27.2880, 0.2168, 0.6574



27.2880, 0.0806, 0.2770

Sweetspot

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



27.2905, 0.3281, 0.1581



60.3842, 0.3178, 0.2560



7.0559, 0.1504, 0.0602



12.0372, 0.3186, 0.2459



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.



27.2905, 0.3281, 0.1581



28.0327, 0.3281, 0.1581



22.0971, 0.5072, 0.2568



17.5158, 0.3142, 0.3063



14.2188, 0.3280, 0.1580



1.3195, 0.3271, 0.1575

Inverse Universe

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



27.2905, 0.3281, 0.1581



28.0327, 0.3281, 0.1581



71.2427, 0.2717, 0.4982



17.5158, 0.3142, 0.3063



14.2188, 0.3280, 0.1580



1.3195, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 27.2880, 0.3281, 0.1581 looks on a white background.

Color Contrast Check

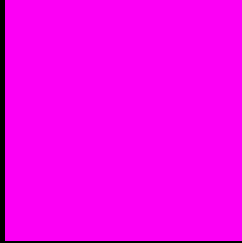
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2880, 0.3281, 0.1581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

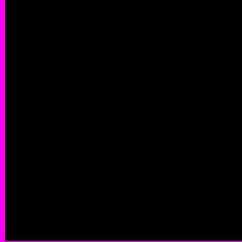
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2880, 0.3281, 0.1581

Background



This preview shows how black text looks on a background with the Yxy color 27.2880, 0.3281, 0.1581.



This preview shows how white text looks on a background with the Yxy color 27.2880, 0.3281, 0.1581.

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

27.2880, 0.3281, 0.1581

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.9868, 0.2123, 0.2065



Tritanopia

27.3296, 0.4912, 0.3235

Trichromacy



Original Color

27.2880, 0.3281, 0.1581



Protanomaly

20.3128, 0.2249, 0.1384



Deuteranomaly

20.2318, 0.2381, 0.1525



Tritanomaly

24.5478, 0.4340, 0.2415

Monochromacy



Original Color

27.2880, 0.3281, 0.1581



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.4311, 0.3218, 0.1985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2880, 0.3281, 0.1581 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(252, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 245)  
}
```

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(252, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 27.2880, 0.3281, 0.1581 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(252, 0, 245) }
```

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

```
.border{ border-color:rgb(252, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2880, 0.3281, 0.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 245) }
```

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

```
.background{ background-color: rgb(252, 0,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor