

Converting Colors

$Y_{xy}(28.1795, 0.3273, 0.1660)$

Have a look what the booklet for
Yxy(28.1795, 0.3273, 0.1660)
contains.

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Color

Yxy(28.1841, 0.3277, 0.1663)

Conversions

Conversions Part 1

Format	Color
Hex	F82DF1
RGB	248, 45, 241
RGB Percent	97%, 18%, 95%
CMY	0.0273, 0.8238, 0.0548
CMYK	0.00, 0.82, 0.03, 0.03
HSL	302°, 94%, 57%
HSV	302°, 82%, 97%
XYZ	55.5378, 28.1841, 85.7556
YIQ	128.0410, 58.0720, 103.9920

Conversions

Conversions Part 2

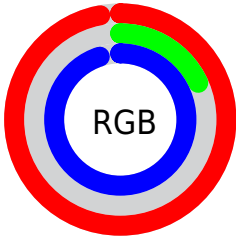
Format	Color
R _Y B	248, 45, 241
Decimal	16264689
CIE Lab	60.05, 90.19, -53.57
CIE LCh	60, 104.898, 329.290
Yxy	28.1841, 0.3277, 0.1663
Android (android.graphics.Color)	4294454769 (0xFFF82DF1)
YUV	128.0410, 55.6888, 105.2040
Hunter-Lab	53.0887, 93.8292, -58.6106

Details

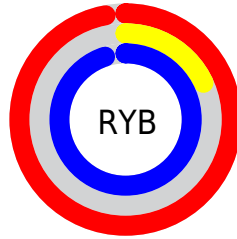
The Yxy color **28.1841, 0.3277, 0.1663** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **67.9559, 0.2996, 0.5772**, and the grayscale version is **21.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **14.0255, 0.3250, 0.1564** is the 20% darker color. If you saturate the color by 10%, you get **26.7681, 0.3290, 0.1609**, and if you desaturate by 10%, it is **30.7119, 0.3262, 0.1760**.

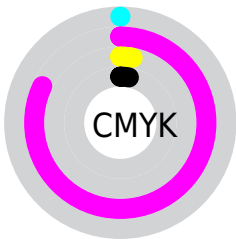
Distribution



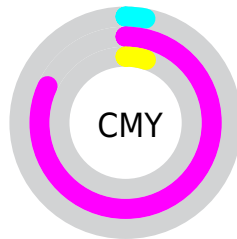
- Red (97%)
- Green (18%)
- Blue (95%)



- Red (97%)
- Yellow (18%)
- Blue (95%)



- Cyan (0%)
- Magenta (82%)
- Yellow (3%)
- Black (3%)





- Cyan (3%)
- Magenta (82%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1841, 0.3277, 0.1663 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 28.1841, 0.3277, 0.1663 by changing the saturation by 10% instead.


 28.1841, 0.3277,
0.1663


 28.1841, 0.3277,
0.1663


293.3456, 0.3247,
0.2393


 18.4645, 0.3272,
0.1508


 56.7782, 0.3276,
0.1908

 11.2840, 0.3260,
0.1325


 76.4215, 0.3273,
0.2006

 6.2582, 0.3235,
0.1107


 100.1415, 0.3269,
0.2092

 3.0027, 0.3185,
0.0849

 128.3226, 0.3264,
0.2167

 1.1331, 0.3087,
0.0554

 161.3491, 0.3260,
0.2233

 0.0061, 0.2965,
0.0006

199.6056, 0.3256,

 0.0000, 0.2509,

0.2292

0.0000

243.4762, 0.3252,
0.2345

■ 0.0000, 0.0688,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.1841, 0.3277,
0.1663

■ 28.1841, 0.3277,
0.1663

■ 26.7681, 0.3290,
0.1609

■ 30.7119, 0.3262,
0.1760

■ 26.2223, 0.3299,
0.1591

■ 34.5171, 0.3244,
0.1901

■ 39.7418, 0.3226,
0.2080

■ 46.5084, 0.3206,
0.2290

54.9260, 0.3186,
0.2520

65.0939, 0.3166,
0.2762

77.1036, 0.3148,
0.3006

91.0401, 0.3130,
0.3246

98.3039, 0.3120,
0.3351

Harmonies

Analogous

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



28.1841, 0.1886, 0.1282



28.1841, 0.3277, 0.1663



28.1841, 0.5075, 0.2322

Triad

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



28.1841, 0.3277, 0.1663



28.1841, 0.4903, 0.5097



28.1841, 0.0830, 0.2332

Complementary

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



28.1841, 0.3277, 0.1663



67.9559, 0.2996, 0.5772

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.



28.1841, 0.1269, 0.4245



28.1841, 0.3277, 0.1663



28.1841, 0.3564, 0.6249

Square

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



28.1841, 0.3277, 0.1663



28.1841, 0.5916, 0.3953



28.1841, 0.2281, 0.6300



28.1841, 0.0819, 0.1472

Rectangle

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



28.1841, 0.3277, 0.1663



28.1841, 0.5941, 0.2832



28.1841, 0.2281, 0.6300



28.1841, 0.0917, 0.2838

Sweetspot

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



28.1854, 0.3277, 0.1663



65.7101, 0.3172, 0.2685



9.3721, 0.1630, 0.0792



13.2480, 0.3179, 0.2600



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.



28.1854, 0.3277, 0.1663



28.0485, 0.3297, 0.1595



23.7175, 0.4669, 0.2496



17.5136, 0.3143, 0.3064



14.1661, 0.3297, 0.1590



1.3152, 0.3286, 0.1584

Inverse Universe

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



28.1854, 0.3277, 0.1663



28.0485, 0.3297, 0.1595



70.0168, 0.2658, 0.4604



17.5136, 0.3143, 0.3064



14.1661, 0.3297, 0.1590



1.3152, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 28.1841, 0.3277, 0.1663 looks on a white background.

Color Contrast Check

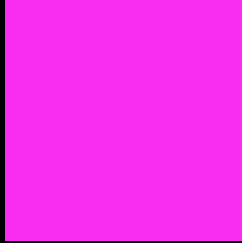
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1841, 0.3277, 0.1663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

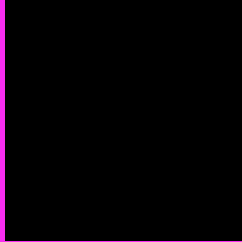
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1841, 0.3277, 0.1663

Background



This preview shows how black text looks on a background with the Yxy color 28.1841, 0.3277, 0.1663.



This preview shows how white text looks on a background with the Yxy color 28.1841, 0.3277, 0.1663.

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

28.1841, 0.3277, 0.1663

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.5062, 0.2176, 0.2121



Tritanopia

27.8825, 0.4770, 0.3221

Trichromacy



Original Color

28.1841, 0.3277, 0.1663



Protanomaly

23.4132, 0.2281, 0.1551



Deuteranomaly

23.6335, 0.2450, 0.1736



Tritanomaly

26.6359, 0.4225, 0.2527

Monochromacy



Original Color

28.1841, 0.3277, 0.1663



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.3706, 0.3211, 0.2292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1841, 0.3277, 0.1663 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(248, 45, 241)` looks like.

```
.text, #text, p{  
    color:rgb(248, 45, 241)  
}
```

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(248, 45, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 45, 241) }
```

Border

The CSS property to change the border of an element to Yxy 28.1841, 0.3277, 0.1663 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(248, 45, 241) }
```

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

```
.border{ border-color:rgb(248, 45, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 45, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 45, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 45, 241);  
box-shadow:4px 4px 4px 4px rgb(248, 45,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1841, 0.3277, 0.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 45, 241) }
```

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

```
.background{ background-color: rgb(248, 45,  
241) }
```

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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