

Converting Colors

$Y_{xy}(28.1349, 0.3305, 0.1782)$

Have a look what the booklet for
Yxy(28.1349, 0.3305, 0.1782)
contains.

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Color

Yxy(28.1349, 0.3305, 0.1782)

Conversions

Conversions Part 1

Format	Color
Hex	F042E6
RGB	240, 66, 230
RGB Percent	94%, 26%, 90%
CMY	0.0587, 0.7414, 0.0979
CMYK	0.00, 0.73, 0.04, 0.06
HSL	303°, 85%, 60%
HSV	303°, 73%, 94%
XYZ	52.1806, 28.1349, 77.5683
YIQ	136.7220, 51.0600, 87.8920

Conversions

Conversions Part 2

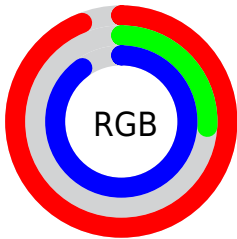
Format	Color
R _Y B	240, 66, 230
Decimal	15745766
CIE _{Lab}	60.01, 81.78, -47.57
CIE _{LCh}	60, 94.610, 329.814
Y _{xy}	28.1349, 0.3305, 0.1782
Android (android.graphics.Color)	4293935846 (0xFFFF042E6)
Y _{UV}	136.7220, 45.9861, 90.5748
Hunter-Lab	53.0423, 82.7760, -49.5752

Details

The Yxy color **28.1349, 0.3305, 0.1782** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **64.0222, 0.2990, 0.5515**, and the grayscale version is **24.7052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **12.7593, 0.3294, 0.1588** is the 20% darker color. If you saturate the color by 10%, you get **25.8214, 0.3328, 0.1689**, and if you desaturate by 10%, it is **31.6271, 0.3280, 0.1918**.

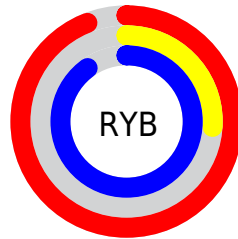
Distribution



Red (94%)

Green (26%)

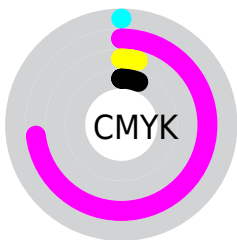
Blue (90%)



Red (94%)

Yellow (26%)

Blue (90%)

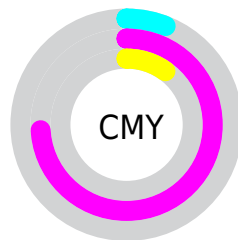


Cyan (0%)

Magenta (73%)

Yellow (4%)

Black (6%)



Cyan (6%)

Magenta (74%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1349, 0.3305, 0.1782 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 28.1349, 0.3305, 0.1782 by changing the saturation by 10% instead.


 28.1349, 0.3305,
0.1782


 28.1349, 0.3305,
0.1782


293.1110, 0.3253,
0.2474


 18.4274, 0.3307,
0.1631


 56.6997, 0.3294,
0.2018

 11.2573, 0.3304,
0.1449


 76.3259, 0.3288,
0.2111


 6.2401, 0.3292,
0.1229

 100.0269, 0.3282,
0.2192

 2.9916, 0.3259,
0.0963

 128.1874, 0.3275,
0.2263

 1.1274, 0.3183,
0.0647

 161.1917, 0.3269,
0.2325

 0.0012, 0.3107,
0.0001

199.4241, 0.3264,

 0.0000, 0.2641,

0.2380


0.0000

243.2690, 0.3258,
0.2430

 0.0000, 0.0000,
0.0000


 28.1349, 0.3305,
0.1782

 28.1349, 0.3305,
0.1782

 25.8214, 0.3328,
0.1689


 31.6271, 0.3280,
0.1918


 24.5241, 0.3348,
0.1640


 36.4252, 0.3254,
0.2093

 24.0372, 0.3361,
0.1625


 42.6441, 0.3228,
0.2298

 50.3853, 0.3202,
0.2523

 59.7410, 0.3177,
0.2759

 70.7960, 0.3154,
0.2998

 83.6291, 0.3132,
0.3232

 96.4080, 0.3114,
0.3428

 96.4908, 0.3106,
0.3414

Harmonies

Analogous

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



28.1349, 0.2000, 0.1407



28.1349, 0.3305, 0.1782



28.1349, 0.4925, 0.2421

Triad

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



28.1349, 0.3305, 0.1782



28.1349, 0.4826, 0.5063



28.1349, 0.0968, 0.2420

Complementary

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



28.1349, 0.3305, 0.1782



64.0222, 0.2990, 0.5515

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.



28.1349, 0.1411, 0.4127



28.1349, 0.3305, 0.1782



28.1349, 0.3610, 0.6047

Square

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



28.1349, 0.3305, 0.1782



28.1349, 0.5744, 0.4024



28.1349, 0.2386, 0.5942



28.1349, 0.0949, 0.1598

Rectangle

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



28.1349, 0.3305, 0.1782



28.1349, 0.5709, 0.2921



28.1349, 0.2386, 0.5942



28.1349, 0.1059, 0.2884

Sweetspot

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



28.1362, 0.3305, 0.1782



69.0749, 0.3176, 0.2771



11.6634, 0.1774, 0.1007



14.1142, 0.3182, 0.2706



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.



28.1362, 0.3305, 0.1782



28.7818, 0.3338, 0.1660



24.4433, 0.4458, 0.2537



16.0148, 0.3147, 0.3070



13.1599, 0.3359, 0.1624



1.0995, 0.3337, 0.1612

Inverse Universe

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



28.1362, 0.3305, 0.1782



28.7818, 0.3338, 0.1660



66.0989, 0.2648, 0.4386



16.0148, 0.3147, 0.3070



13.1599, 0.3359, 0.1624



1.0995, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 28.1349, 0.3305, 0.1782 looks on a white background.

Color Contrast Check

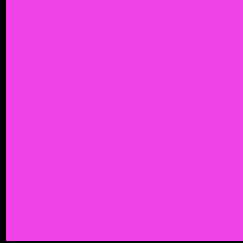
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1349, 0.3305, 0.1782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

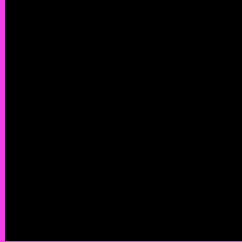
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1349, 0.3305, 0.1782

Background



This preview shows how black text looks on a background with the Yxy color 28.1349, 0.3305, 0.1782.



This preview shows how white text looks on a background with the Yxy color 28.1349, 0.3305, 0.1782.

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

28.1349, 0.3305, 0.1782

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.3235, 0.2276, 0.2219



Tritanopia

27.8312, 0.4601, 0.3216

Trichromacy



Original Color

28.1349, 0.3305, 0.1782



Protanomaly

24.7082, 0.2301, 0.1656



Deuteranomaly

24.9328, 0.2556, 0.1912



Tritanomaly

27.0383, 0.4118, 0.2588

Monochromacy



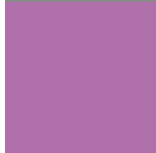
Original Color

28.1349, 0.3305, 0.1782



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.3078, 0.3202, 0.2448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1349, 0.3305, 0.1782 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(240, 66, 230)` looks like.

```
.text, #text, p{  
    color:rgb(240, 66, 230)  
}
```

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(240, 66, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 66, 230) }
```

Border

The CSS property to change the border of an element to Yxy 28.1349, 0.3305, 0.1782 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(240, 66, 230) }
```

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

```
.border{ border-color:rgb(240, 66, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 66, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 66, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 66, 230);  
box-shadow:4px 4px 4px 4px rgb(240, 66,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1349, 0.3305, 0.1782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 66, 230) }
```

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

```
.background{ background-color: rgb(240, 66,  
230) }
```

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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