

Converting Colors

$Y_{xy}(28.0828, 0.3537, 0.1792)$

Have a look what the booklet for
Yxy(28.0828, 0.3537, 0.1792)
contains.

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Color

Yxy(28.0929, 0.3540, 0.1795)

Conversions

Conversions Part 1

Format	Color
Hex	FF27E0
RGB	255, 39, 224
RGB Percent	100%, 15%, 88%
CMY	0.0002, 0.8463, 0.1216
CMYK	0.00, 0.85, 0.12, 0.00
HSL	309°, 100%, 58%
HSV	309°, 85%, 100%
XYZ	55.4033, 28.0929, 73.0102
YIQ	124.6740, 69.3510, 103.3270

Conversions

Conversions Part 2

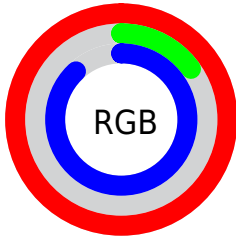
Format	Color
R _Y B	255, 39, 224
Decimal	16721888
CIE Lab	59.97, 90.20, -44.07
CIE LCh	60, 100.393, 333.964
Yxy	28.0929, 0.3540, 0.1795
Android (android.graphics.Color)	4294911968 (0xFFFF27E0)
YUV	124.6740, 48.9677, 114.2959
Hunter-Lab	53.0027, 93.8296, -44.5689

Details

The Yxy color **28.0929, 0.3540, 0.1795** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.3653, 0.2948, 0.5660**, and the grayscale version is **20.2413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **14.2965, 0.3581, 0.1746** is the 20% darker color. If you saturate the color by 10%, you get **26.7403, 0.3591, 0.1767**, and if you desaturate by 10%, it is **30.5759, 0.3486, 0.1868**.

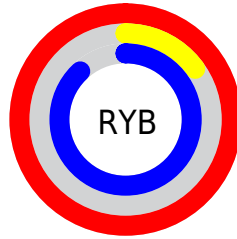
Distribution



Red (100%)

Green (15%)

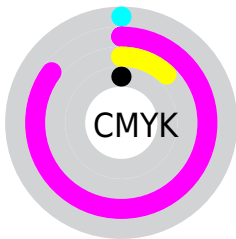
Blue (88%)



Red (100%)

Yellow (15%)

Blue (88%)

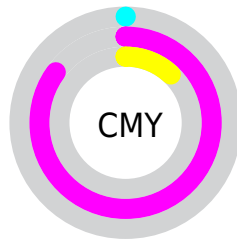


Cyan (0%)

Magenta (85%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0929, 0.3540, 0.1795 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 28.0929, 0.3540, 0.1795 by changing the saturation by 10% instead.


 28.0929, 0.3540,
0.1795


 28.0929, 0.3540,
0.1795


292.9106, 0.3367,
0.2481


 18.3957, 0.3573,
0.1645


 56.6327, 0.3485,
0.2029

 11.2345, 0.3609,
0.1464


 76.2441, 0.3462,
0.2121

 6.2248, 0.3647,
0.1245


 99.9291, 0.3442,
0.2201

 2.9822, 0.3684,
0.0979

 128.0720, 0.3424,
0.2272

 1.1225, 0.3706,
0.0662

 161.0571, 0.3407,
0.2333

 0.0000, 0.3798,
0.0000

199.2690, 0.3393,

 0.0000, 0.3515,

0.2388

0.0000

243.0921, 0.3379,
0.2437

■ 0.0000, 0.1244,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.0929, 0.3540,
0.1795

■ 28.0929, 0.3540,
0.1795

■ 26.7403, 0.3591,
0.1767


■ 30.5759, 0.3486,
0.1868

■ 26.3306, 0.3617,
0.1766

■ 34.3790, 0.3430,
0.1986

■ 39.6615, 0.3374,
0.2144

■ 46.5589, 0.3319,
0.2331

 55.1916, 0.3268,
0.2539

 65.6686, 0.3222,
0.2757

 78.0896, 0.3180,
0.2977

 92.5475, 0.3143,
0.3193

99.9899, 0.3127,
0.3290

Harmonies

Analogous

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



28.0929, 0.2094, 0.1371



28.0929, 0.3540, 0.1795



28.0929, 0.5237, 0.2474

Triad

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



28.0929, 0.3540, 0.1795



28.0929, 0.4693, 0.5265



28.0929, 0.0863, 0.2190

Complementary

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



28.0929, 0.3540, 0.1795



72.3653, 0.2948, 0.5660

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.



28.0929, 0.1228, 0.3862



28.0929, 0.3540, 0.1795



28.0929, 0.3395, 0.6275

Square

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



28.0929, 0.3540, 0.1795



28.0929, 0.5734, 0.4131



28.0929, 0.2152, 0.5954



28.0929, 0.0898, 0.1458

Rectangle

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



28.0929, 0.3540, 0.1795



28.0929, 0.5953, 0.2985



28.0929, 0.2152, 0.5954



28.0929, 0.0931, 0.2625

Sweetspot

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



28.0943, 0.3540, 0.1795



65.2754, 0.3223, 0.2749



9.9076, 0.1673, 0.0784



13.1424, 0.3239, 0.2672



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.



28.0943, 0.3540, 0.1795



26.3431, 0.3617, 0.1766



24.0286, 0.5097, 0.2707



18.2529, 0.3160, 0.3089



13.7820, 0.3610, 0.1762



1.3536, 0.3557, 0.1733

Inverse Universe

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



28.0943, 0.3540, 0.1795



26.3431, 0.3617, 0.1766



75.0492, 0.2573, 0.4348



18.2529, 0.3160, 0.3089



13.7820, 0.3610, 0.1762



1.3536, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 28.0929, 0.3540, 0.1795 looks on a white background.

Color Contrast Check

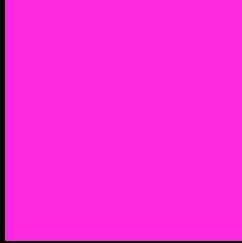
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0929, 0.3540, 0.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

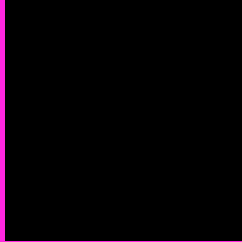
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0929, 0.3540, 0.1795

Background



This preview shows how black text looks on a background with the Yxy color 28.0929, 0.3540, 0.1795.



This preview shows how white text looks on a background with the Yxy color 28.0929, 0.3540, 0.1795.

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

28.0929, 0.3540, 0.1795

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.4316, 0.2362, 0.2310



Tritanopia

27.9609, 0.5019, 0.3247

Trichromacy



Original Color

28.0929, 0.3540, 0.1795



Protanomaly

23.0116, 0.2343, 0.1584



Deuteranomaly

23.4814, 0.2685, 0.1883



Tritanomaly

26.6853, 0.4510, 0.2625

Monochromacy



Original Color

28.0929, 0.3540, 0.1795



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.3493, 0.3315, 0.2337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0929, 0.3540, 0.1795 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, 39, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 224)  
}
```

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, 39, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 224) }
```

Border

The CSS property to change the border of an element to Yxy 28.0929, 0.3540, 0.1795 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, 39, 224) }
```

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

```
.border{ border-color:rgb(255, 39, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 39, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0929, 0.3540, 0.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 224) }
```

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

```
.background{ background-color: rgb(255, 39,  
224) }
```

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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