

Converting Colors

$Y_{xy}(27.5613, 0.3615, 0.1828)$

Have a look what the booklet for
Yxy(27.5613, 0.3615, 0.1828)
contains.

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Color

Yxy(27.5837, 0.3614, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	FF24DA
RGB	255, 36, 218
RGB Percent	100%, 14%, 85%
CMY	0.0000, 0.8591, 0.1451
CMYK	0.00, 0.86, 0.15, 0.00
HSL	310°, 100%, 57%
HSV	310°, 86%, 100%
XYZ	54.5336, 27.5837, 68.7782
YIQ	122.2290, 72.1020, 103.0300

Conversions

Conversions Part 2

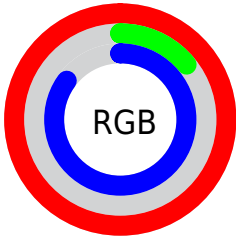
Format	Color
R _Y B	255, 36, 218
Decimal	16721114
CIE Lab	59.51, 90.00, -41.41
CIE LCh	60, 99.069, 335.290
Yxy	27.5837, 0.3614, 0.1828
Android (android.graphics.Color)	4294911194 (0xFFFF24DA)
YUV	122.2290, 47.2151, 116.4402
Hunter-Lab	52.5202, 93.4328, -40.8795

Details

The Yxy color **27.5837, 0.3614, 0.1828** 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 **72.3739, 0.2937, 0.5640**, and the grayscale version is **19.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **13.9461, 0.3664, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **26.3257, 0.3675, 0.1810**, and if you desaturate by 10%, it is **29.9337, 0.3549, 0.1892**.

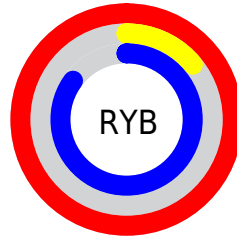
Distribution



Red (100%)

Green (14%)

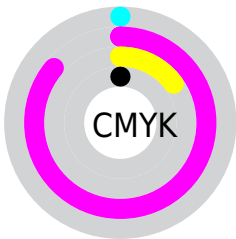
Blue (85%)



Red (100%)

Yellow (14%)

Blue (85%)

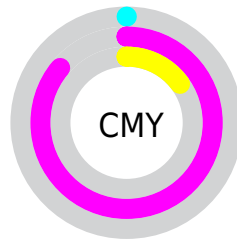


Cyan (0%)

Magenta (86%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5837, 0.3614, 0.1828 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 27.5837, 0.3614, 0.1828 by changing the saturation by 10% instead.


 27.5837, 0.3614,
0.1828


 27.5837, 0.3614,
0.1828


290.4723, 0.3400,
0.2505

 18.0121, 0.3658,
0.1678


 55.8191, 0.3543,
0.2060

 10.9587, 0.3709,
0.1497


 75.2517, 0.3515,
0.2151


 6.0390, 0.3767,
0.1277


 98.7400, 0.3490,
0.2230

 2.8688, 0.3831,
0.1006

 126.6686, 0.3467,
0.2299

 1.0636, 0.3892,
0.0681

 159.4217, 0.3448,
0.2360

 0.0000, 0.4051,
0.0000

197.3837, 0.3430,

 0.0000, 0.3839,

0.2414

0.0000

240.9391, 0.3414,
0.2462

■ 0.0000, 0.0880,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.5837, 0.3614,
0.1828

■ 27.5837, 0.3614,
0.1828

■ 26.3257, 0.3675,
0.1810


■ 29.9337, 0.3549,
0.1892

■ 26.0099, 0.3699,
0.1811

■ 33.5895, 0.3483,
0.2001


■ 38.7081, 0.3417,
0.2151

■ 45.4277, 0.3353,
0.2331

 53.8704, 0.3294,
0.2532

 64.1464, 0.3240,
0.2745

 76.3568, 0.3192,
0.2959

 90.5953, 0.3149,
0.3170

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.5837, 0.2151, 0.1392



27.5837, 0.3614, 0.1828



27.5837, 0.5286, 0.2514

Triad

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



27.5837, 0.3614, 0.1828



27.5837, 0.4635, 0.5312



27.5837, 0.0867, 0.2150

Complementary

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



27.5837, 0.3614, 0.1828



72.3739, 0.2937, 0.5640

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.



27.5837, 0.1211, 0.3765



27.5837, 0.3614, 0.1828



27.5837, 0.3344, 0.6284

Square

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



27.5837, 0.3614, 0.1828



27.5837, 0.5688, 0.4178



27.5837, 0.2111, 0.5864



27.5837, 0.0916, 0.1449

Rectangle

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



27.5837, 0.3614, 0.1828



27.5837, 0.5962, 0.3025



27.5837, 0.2111, 0.5864



27.5837, 0.0929, 0.2567

Sweetspot

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



27.5793, 0.3614, 0.1828



64.0459, 0.3240, 0.2743



9.8721, 0.1689, 0.0780



12.9020, 0.3259, 0.2668



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.



27.5793, 0.3614, 0.1828



26.0099, 0.3699, 0.1811



23.6205, 0.5256, 0.2782



18.2446, 0.3164, 0.3095



13.6102, 0.3690, 0.1806



1.3385, 0.3625, 0.1771

Inverse Universe

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



27.5793, 0.3614, 0.1828



26.0099, 0.3699, 0.1811



75.2702, 0.2544, 0.4262



18.2446, 0.3164, 0.3095



13.6102, 0.3690, 0.1806



1.3385, 0.3625, 0.1771

Previews

White Background



This preview shows how the Yxy color 27.5837, 0.3614, 0.1828 looks on a white background.

Color Contrast Check

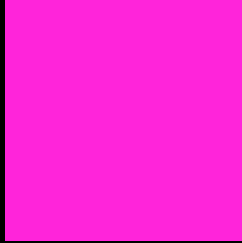
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5837, 0.3614, 0.1828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

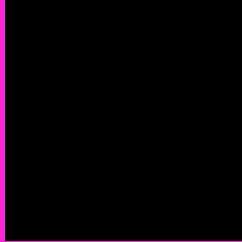
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5837, 0.3614, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 27.5837, 0.3614, 0.1828.



This preview shows how white text looks on a background with the Yxy color 27.5837, 0.3614, 0.1828.

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

27.5837, 0.3614, 0.1828

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.7468, 0.2414, 0.2355



Tritanopia

27.3900, 0.5095, 0.3240

Trichromacy



Original Color

27.5837, 0.3614, 0.1828



Protanomaly

22.3031, 0.2336, 0.1570



Deuteranomaly

22.7887, 0.2754, 0.1911



Tritanomaly

26.2302, 0.4594, 0.2641

Monochromacy



Original Color

27.5837, 0.3614, 0.1828



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4625, 0.3345, 0.2339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5837, 0.3614, 0.1828 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, 36, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 218)  
}
```

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, 36, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 218) }
```

Border

The CSS property to change the border of an element to Yxy 27.5837, 0.3614, 0.1828 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, 36, 218) }
```

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

```
.border{ border-color:rgb(255, 36, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5837, 0.3614, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 218) }
```

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

```
.background{ background-color: rgb(255, 36,  
218) }
```

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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