

Converting Colors

$Y_{xy}(28.4850, 0.3552, 0.1824)$

Have a look what the booklet for
Yxy(28.4850, 0.3552, 0.1824)
contains.

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Color

Yxy(28.5417, 0.3549, 0.1824)

Conversions

Conversions Part 1

Format	Color
Hex	FF2EDF
RGB	255, 46, 223
RGB Percent	100%, 18%, 87%
CMY	0.0000, 0.8195, 0.1254
CMYK	0.00, 0.82, 0.13, 0.00
HSL	309°, 100%, 59%
HSV	309°, 82%, 100%
XYZ	55.5343, 28.5417, 72.4027
YIQ	128.6690, 67.7470, 99.3550

Conversions

Conversions Part 2

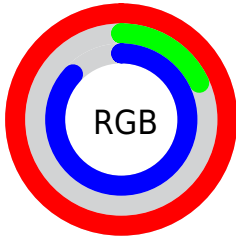
Format	Color
R _Y B	255, 46, 223
Decimal	16723679
CIE Lab	60.38, 88.80, -42.89
CIE LCh	60, 98.612, 334.222
Yxy	28.5417, 0.3549, 0.1824
Android (android.graphics.Color)	4294913759 (0xFFFF2EDF)
YUV	128.6690, 46.5052, 110.7923
Hunter-Lab	53.4244, 92.0565, -42.9548

Details

The Yxy color **28.5417, 0.3549, 0.1824** 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 **72.6448, 0.2940, 0.5583**, and the grayscale version is **21.6553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **14.2594, 0.3597, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **26.8977, 0.3605, 0.1786**, and if you desaturate by 10%, it is **31.3741, 0.3490, 0.1908**.

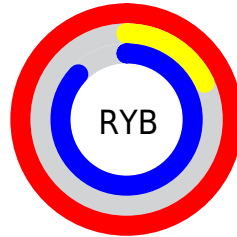
Distribution



Red (100%)

Green (18%)

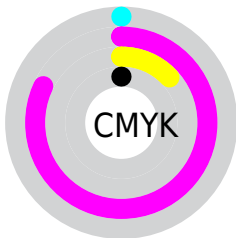
Blue (87%)



Red (100%)

Yellow (18%)

Blue (87%)

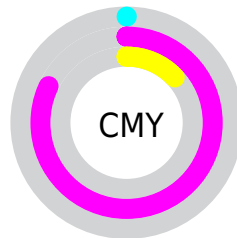


Cyan (0%)

Magenta (82%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5417, 0.3549, 0.1824 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 28.5417, 0.3549, 0.1824 by changing the saturation by 10% instead.

 28.5417, 0.3549,
0.1824


 28.5417, 0.3549,
0.1824


295.0464, 0.3370,
0.2498


 18.7344, 0.3584,
0.1676


 57.3481, 0.3491,
0.2054


 11.4785, 0.3623,
0.1497


 77.1161, 0.3468,
0.2145

 6.3897, 0.3665,
0.1280


 100.9730, 0.3447,
0.2224

 3.0834, 0.3708,
0.1015

 129.3033, 0.3428,
0.2293

 1.1754, 0.3740,
0.0696

 162.4914, 0.3411,
0.2353

 0.0415, 0.3841,
0.0052

200.9217, 0.3396,

 0.0000, 0.3596,

0.2407

0.0000

244.9786, 0.3383,
0.2455

■ 0.0000, 0.1397,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.5417, 0.3549,
0.1824

■ 28.5417, 0.3549,
0.1824

■ 26.8977, 0.3605,
0.1786


■ 31.3741, 0.3490,
0.1908

■ 26.2141, 0.3648,
0.1783

■ 35.5728, 0.3430,
0.2037


■ 41.2902, 0.3371,
0.2202


■ 48.6574, 0.3314,
0.2394

 57.7914, 0.3262,
0.2604

 68.7985, 0.3214,
0.2821

 81.7766, 0.3171,
0.3039

 96.8168, 0.3134,
0.3250

 99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



28.5417, 0.2124, 0.1401



28.5417, 0.3549, 0.1824



28.5417, 0.5204, 0.2500

Triad

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



28.5417, 0.3549, 0.1824



28.5417, 0.4671, 0.5255



28.5417, 0.0893, 0.2208

Complementary

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



28.5417, 0.3549, 0.1824



72.6448, 0.2940, 0.5583

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.



28.5417, 0.1257, 0.3836



28.5417, 0.3549, 0.1824



28.5417, 0.3402, 0.6224

Square

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



28.5417, 0.3549, 0.1824



28.5417, 0.5695, 0.4149



28.5417, 0.2172, 0.5869



28.5417, 0.0928, 0.1485

Rectangle

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



28.5417, 0.3549, 0.1824



28.5417, 0.5902, 0.3009



28.5417, 0.2172, 0.5869



28.5417, 0.0961, 0.2633

Sweetspot

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



28.5431, 0.3549, 0.1824



65.2382, 0.3228, 0.2755



10.7697, 0.1723, 0.0839



13.1333, 0.3245, 0.2678



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.



28.5431, 0.3549, 0.1824



26.3678, 0.3637, 0.1783



24.5507, 0.5064, 0.2729



18.2498, 0.3162, 0.3091



13.7168, 0.3639, 0.1778



1.3479, 0.3582, 0.1747

Inverse Universe

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



28.5431, 0.3549, 0.1824



26.3678, 0.3637, 0.1783



75.4660, 0.2558, 0.4260



18.2498, 0.3162, 0.3091



13.7168, 0.3639, 0.1778



1.3479, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 28.5417, 0.3549, 0.1824 looks on a white background.

Color Contrast Check

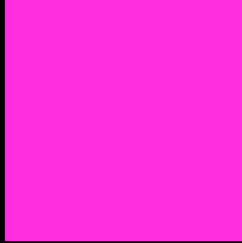
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5417, 0.3549, 0.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

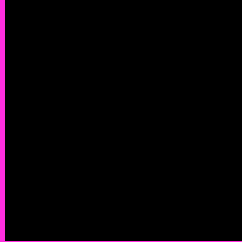
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5417, 0.3549, 0.1824

Background



This preview shows how black text looks on a background with the Yxy color 28.5417, 0.3549, 0.1824.



This preview shows how white text looks on a background with the Yxy color 28.5417, 0.3549, 0.1824.

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

28.5417, 0.3549, 0.1824

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.5927, 0.2388, 0.2327



Tritanopia

28.3571, 0.4995, 0.3238

Trichromacy



Original Color

28.5417, 0.3549, 0.1824



Protanomaly

23.6619, 0.2362, 0.1625



Deuteranomaly

24.0664, 0.2715, 0.1922



Tritanomaly

27.3085, 0.4495, 0.2641

Monochromacy



Original Color

28.5417, 0.3549, 0.1824



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6820, 0.3322, 0.2389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5417, 0.3549, 0.1824 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, 46, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 223)  
}
```

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, 46, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 223) }
```

Border

The CSS property to change the border of an element to Yxy 28.5417, 0.3549, 0.1824 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, 46, 223) }
```

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

```
.border{ border-color:rgb(255, 46, 223) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5417, 0.3549, 0.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 223) }
```

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

```
.background{ background-color: rgb(255, 46,  
223) }
```

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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