

Converting Colors

$Y_{xy}(28.7309, 0.3917, 0.2138)$

Have a look what the booklet for
Yxy(28.7309, 0.3917, 0.2138)
contains.

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Color

Yxy(28.7770, 0.3912, 0.2136)

Conversions

Conversions Part 1

Format	Color
Hex	FF40C1
RGB	255, 64, 193
RGB Percent	100%, 25%, 76%
CMY	0.0000, 0.7491, 0.2430
CMYK	0.00, 0.75, 0.24, 0.00
HSL	319°, 100%, 63%
HSV	319°, 75%, 100%
XYZ	52.7039, 28.7770, 53.2428
YIQ	135.8150, 72.4270, 80.6110

Conversions

Conversions Part 2

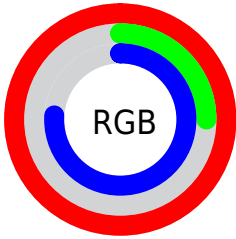
Format	Color
R _Y B	255, 64, 193
Decimal	16728257
CIE _{Lab}	60.58, 80.67, -25.52
CIE _{LCh}	61, 84.613, 342.443
Yxy	28.7770, 0.3912, 0.2136
Android (android.graphics.Color)	4294918337 (0xFFFF40C1)
YUV	135.8150, 28.1922, 104.5252
Hunter-Lab	53.6442, 81.4940, -21.2955

Details

The Yxy color **28.7770, 0.3912, 0.2136** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.1148, 0.2821, 0.5022**, and the grayscale version is **24.4174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8626, 0.3227, 0.2133**, and **13.3334, 0.4088, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **26.1697, 0.4055, 0.2094**, and if you desaturate by 10%, it is **32.7169, 0.3771, 0.2226**.

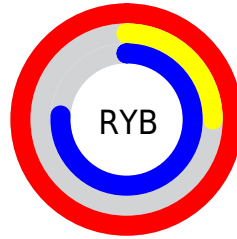
Distribution



Red (100%)

Green (25%)

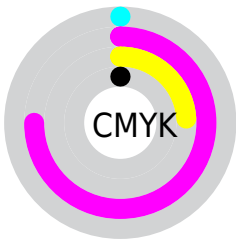
Blue (76%)



Red (100%)

Yellow (25%)

Blue (76%)

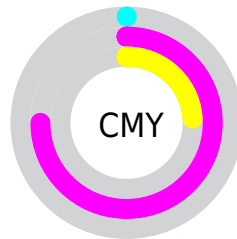


Cyan (0%)

Magenta (75%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (75%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7770, 0.3912, 0.2136 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 28.7770, 0.3912, 0.2136 by changing the saturation by 10% instead.


 28.7770, 0.3912,
0.2136

 28.7770, 0.3912,
0.2136


296.1613, 0.3522,
0.2693


 18.9122, 0.4007,
0.2005


 57.7226, 0.3772,
0.2333


 11.6068, 0.4128,
0.1843


 77.5722, 0.3719,
0.2408


 6.4766, 0.4285,
0.1637


 101.5188, 0.3674,
0.2473

 3.1370, 0.4497,
0.1370

 129.9468, 0.3635,
0.2529

 1.2037, 0.4793,
0.1019

 163.2407, 0.3601,
0.2577

 0.0647, 0.5466,
0.0132

201.7848, 0.3572,

 0.0000, 0.6029,

0.2620

0.0000

245.9636, 0.3546,
0.2659

■ 0.0000, 0.0000,
0.0000

■ 28.7770, 0.3912,
0.2136

■ 28.7770, 0.3912,
0.2136

■ 26.1697, 0.4055,
0.2094

■ 32.7169, 0.3771,
0.2226

■ 24.7010, 0.4194,
0.2103


■ 38.1499, 0.3638,
0.2354


■ 24.2487, 0.4264,
0.2123

■ 45.2122, 0.3515,
0.2510

■ 54.0246, 0.3405,
0.2681

■ 64.6967, 0.3310,
0.2859

 77.3290, 0.3227,
0.3037

 92.0147, 0.3157,
0.3209

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.



28.7770, 0.2551, 0.1663



28.7770, 0.3912, 0.2136



28.7770, 0.5226, 0.2813

Triad

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



28.7770, 0.3912, 0.2136



28.7770, 0.4313, 0.5380



28.7770, 0.1076, 0.2124

Complementary

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



28.7770, 0.3912, 0.2136



74.1148, 0.2821, 0.5022

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.



28.7770, 0.1333, 0.3327



28.7770, 0.3912, 0.2136



28.7770, 0.3168, 0.5892

Square

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



28.7770, 0.3912, 0.2136



28.7770, 0.5276, 0.4439



28.7770, 0.2069, 0.5046



28.7770, 0.1185, 0.1588

Rectangle

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



28.7770, 0.3912, 0.2136



28.7770, 0.5667, 0.3313



28.7770, 0.2069, 0.5046



28.7770, 0.1116, 0.2439

Sweetspot

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



28.7765, 0.3912, 0.2136



68.1635, 0.3284, 0.2911



15.2056, 0.2026, 0.1090



13.8967, 0.3308, 0.2863



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.



28.7765, 0.3912, 0.2136



25.2941, 0.4126, 0.2092



25.8261, 0.5298, 0.3019



18.1942, 0.3188, 0.3131



12.6991, 0.4242, 0.2111



1.2565, 0.4094, 0.2029

Inverse Universe

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



28.7765, 0.3912, 0.2136



25.2941, 0.4126, 0.2092



77.7758, 0.2435, 0.3729



18.1942, 0.3188, 0.3131



12.6991, 0.4242, 0.2111



1.2565, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 28.7770, 0.3912, 0.2136 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 28.7770, 0.3912, 0.2136 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 28.7770, 0.3912, 0.2136

Background



This preview shows how black text looks on a background with the Yxy color 28.7770, 0.3912, 0.2136.



This preview shows how white text looks on a background with the Yxy color 28.7770, 0.3912, 0.2136.

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

28.7770, 0.3912, 0.2136

Protanopia

29.3421, 0.2044, 0.1837

Deuteranopia

28.7731, 0.2764, 0.2703



Tritanopia

28.6804, 0.5053, 0.3249

Trichromacy



Original Color

28.7770, 0.3912, 0.2136



Protanomaly

24.7308, 0.2458, 0.1792



Deuteranomaly

25.6471, 0.3138, 0.2339



Tritanomaly

28.2040, 0.4669, 0.2817

Monochromacy



Original Color

28.7770, 0.3912, 0.2136



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.1699, 0.3430, 0.2627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7770, 0.3912, 0.2136 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, 64, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 193)  
}
```

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, 64, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 193) }
```

Border

The CSS property to change the border of an element to Yxy 28.7770, 0.3912, 0.2136 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, 64, 193) }
```

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

```
.border{ border-color:rgb(255, 64, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7770, 0.3912, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 193) }
```

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

```
.background{ background-color: rgb(255, 64,  
193) }
```

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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