

Converting Colors

$Y_{xy}(30.7900, 0.3426, 0.1825)$

Have a look what the booklet for
Yxy(30.7900, 0.3426, 0.1825)
contains.

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Color

Yxy(30.8100, 0.3427, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	FF40E9
RGB	255, 64, 233
RGB Percent	100%, 25%, 91%
CMY	0.0003, 0.7485, 0.0864
CMYK	0.00, 0.75, 0.09, 0.00
HSL	307°, 100%, 63%
HSV	307°, 75%, 100%
XYZ	57.7603, 30.8100, 79.9745
YIQ	140.3750, 59.5870, 93.0510

Conversions

Conversions Part 2

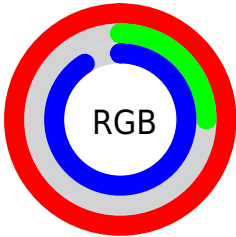
Format	Color
R _Y B	255, 64, 233
Decimal	16728297
CIE Lab	62.35, 85.81, -45.37
CIE LCh	62, 97.067, 332.133
Yxy	30.8100, 0.3427, 0.1828
Android (android.graphics.Color)	4294918377 (0xFFFF40E9)
YUV	140.3750, 45.6641, 100.5261
Hunter-Lab	55.5068, 88.6103, -46.5707

Details

The Yxy color **30.8100, 0.3427, 0.1828** 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 **73.2462, 0.2958, 0.5480**, and the grayscale version is **26.2037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **14.6437, 0.3443, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **28.3907, 0.3470, 0.1752**, and if you desaturate by 10%, it is **34.5484, 0.3382, 0.1948**.

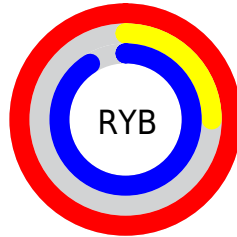
Distribution



Red (100%)

Green (25%)

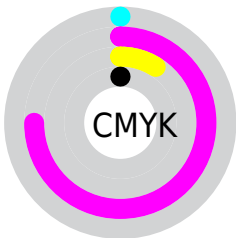
Blue (91%)



Red (100%)

Yellow (25%)

Blue (91%)

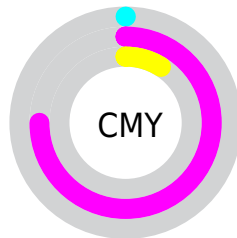


Cyan (0%)

Magenta (75%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8100, 0.3427, 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 30.8100, 0.3427, 0.1828 by changing the saturation by 10% instead.

 30.8100, 0.3427,
0.1828


 30.8100, 0.3427,
0.1828


305.6620, 0.3312,
0.2492


 20.4542, 0.3446,
0.1684


 60.9408, 0.3393,
0.2053


 12.7256, 0.3464,
0.1511


 81.4846, 0.3378,
0.2143

 7.2399, 0.3480,
0.1301

 106.1932, 0.3364,
0.2220

 3.6126, 0.3488,
0.1047

 135.4510, 0.3352,
0.2288

 1.4593, 0.3474,
0.0741

 169.6424, 0.3341,
0.2348

 0.2598, 0.3449,
0.0263

209.1518, 0.3330,

 0.0000, 0.3210,

0.2402

0.0000

254.3635, 0.3321,
0.2449

■ 0.0000, 0.1849,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.8100, 0.3427,
0.1828

■ 30.8100, 0.3427,
0.1828

■ 28.3907, 0.3470,
0.1752

■ 34.5484, 0.3382,
0.1948

■ 27.0912, 0.3510,
0.1721

■ 39.7598, 0.3336,
0.2108

■ 26.7163, 0.3529,
0.1718

■ 46.5818, 0.3292,
0.2300

■ 55.1348, 0.3249,
0.2512

65.5281, 0.3209,
0.2736

77.8616, 0.3173,
0.2963

92.2282, 0.3141,
0.3185

99.9876, 0.3127,
0.3290

Harmonies

Analogous

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



30.8100, 0.2084, 0.1431



30.8100, 0.3427, 0.1828



30.8100, 0.5029, 0.2481

Triad

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



30.8100, 0.3427, 0.1828



30.8100, 0.4734, 0.5144



30.8100, 0.0960, 0.2333

Complementary

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



30.8100, 0.3427, 0.1828



73.2462, 0.2958, 0.5480

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.



30.8100, 0.1364, 0.3964



30.8100, 0.3427, 0.1828



30.8100, 0.3516, 0.6086

Square

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



30.8100, 0.3427, 0.1828



30.8100, 0.5685, 0.4098



30.8100, 0.2302, 0.5836



30.8100, 0.0967, 0.1568

Rectangle

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



30.8100, 0.3427, 0.1828



30.8100, 0.5757, 0.2983



30.8100, 0.2302, 0.5836



30.8100, 0.1040, 0.2770

Sweetspot

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



30.8115, 0.3427, 0.1828



68.8719, 0.3199, 0.2800



12.7467, 0.1778, 0.0966



14.0656, 0.3209, 0.2739



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.



30.8115, 0.3427, 0.1828



27.6109, 0.3491, 0.1731



26.8366, 0.4675, 0.2623



18.2622, 0.3156, 0.3082



13.9824, 0.3523, 0.1715



1.3712, 0.3482, 0.1692

Inverse Universe

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



30.8115, 0.3427, 0.1828



27.6109, 0.3491, 0.1731



75.8119, 0.2605, 0.4297



18.2622, 0.3156, 0.3082



13.9824, 0.3523, 0.1715



1.3712, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 30.8100, 0.3427, 0.1828 looks on a white background.

Color Contrast Check

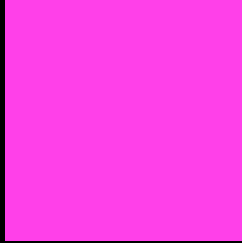
Large Text (above 18pt) WCAG AA × Fail

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 30.8100, 0.3427, 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 ✓ Pass

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

Yxy 30.8100, 0.3427, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 30.8100, 0.3427, 0.1828.

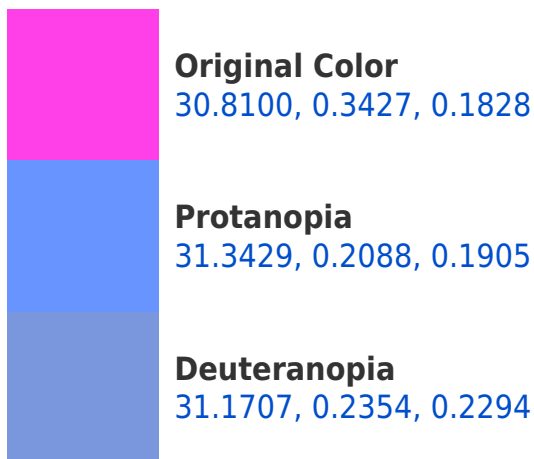


This preview shows how white text looks on a background with the Yxy color 30.8100, 0.3427, 0.1828.

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





Tritanopia

30.5550, 0.4757, 0.3223

Trichromacy



Original Color

30.8100, 0.3427, 0.1828



Protanomaly

27.0432, 0.2410, 0.1735



Deuteranomaly

27.1759, 0.2655, 0.1962



Tritanomaly

29.6906, 0.4265, 0.2628

Monochromacy



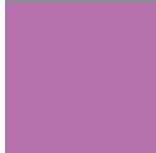
Original Color

30.8100, 0.3427, 0.1828



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.5894, 0.3260, 0.2450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8100, 0.3427, 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, 64, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 233) }
```

Border

The CSS property to change the border of an element to Yxy 30.8100, 0.3427, 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, 64, 233) }
```

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

```
.border{ border-color:rgb(255, 64, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8100, 0.3427, 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, 64, 233) }
```

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

```
.background{ background-color: rgb(255, 64,  
233) }
```

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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