

Converting Colors

$Yxy(33.8993, 0.3781, 0.2025)$

Have a look what the booklet for
Yxy(33.8993, 0.3781, 0.2025)
contains.

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Color

Yxy(30.0413, 0.3586, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	FF40DB
RGB	255, 64, 219
RGB Percent	100%, 25%, 86%
CMY	0.0001, 0.7487, 0.1413
CMYK	0.00, 0.75, 0.14, 0.00
HSL	311°, 100%, 63%
HSV	311°, 75%, 100%
XYZ	55.8466, 30.0413, 69.8472
YIQ	138.7790, 64.0810, 88.6970

Conversions

Conversions Part 2

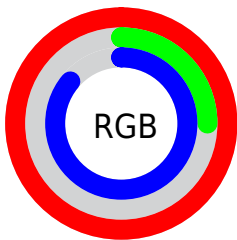
Format	Color
R _Y B	255, 64, 219
Decimal	16728283
CIE Lab	61.69, 83.91, -38.54
CIE LCh	62, 92.341, 335.331
Yxy	30.0413, 0.3586, 0.1929
Android (android.graphics.Color)	4294918363 (0xFFFF40DB)
YUV	138.7790, 39.5490, 101.9258
Hunter-Lab	54.8099, 85.9587, -37.1894

Details

The Yxy color **30.0413, 0.3586, 0.1929** 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 **73.5141, 0.2915, 0.5333**, and the grayscale version is **25.5705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **14.1497, 0.3645, 0.1781** is the 20% darker color. If you saturate the color by 10%, you get **27.5409, 0.3660, 0.1863**, and if you desaturate by 10%, it is **33.8653, 0.3511, 0.2041**.

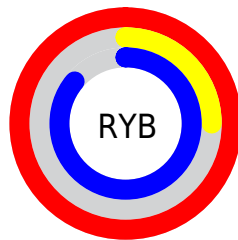
Distribution



Red (100%)

Green (25%)

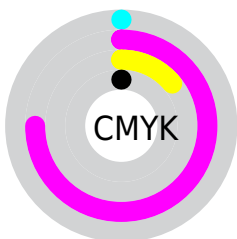
Blue (86%)



Red (100%)

Yellow (25%)

Blue (86%)

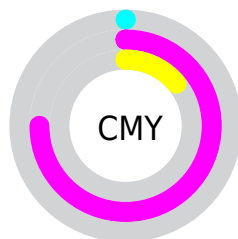


Cyan (0%)

Magenta (75%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (75%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0413, 0.3586, 0.1929 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 30.0413, 0.3586, 0.1929 by changing the saturation by 10% instead.


 30.0413, 0.3586,
0.1929


 30.0413, 0.3586,
0.1929


302.0969, 0.3383,
0.2560

 19.8699, 0.3628,
0.1788


 59.7275, 0.3518,
0.2146


 12.3005, 0.3678,
0.1618


 80.0111, 0.3491,
0.2231

 6.9487, 0.3736,
0.1408


 104.4343, 0.3467,
0.2305

 3.4300, 0.3803,
0.1147

 133.3813, 0.3446,
0.2369

 1.3602, 0.3873,
0.0825

 167.2368, 0.3428,
0.2425

 0.1871, 0.4010,
0.0240

206.3849, 0.3411,

 0.0000, 0.3920,

0.2475

0.0000

251.2101, 0.3396,
0.2520

■ 0.0000, 0.2000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.0413, 0.3586,
0.1929

■ 30.0413, 0.3586,
0.1929

■ 27.5409, 0.3660,
0.1863

■ 33.8653, 0.3511,
0.2041

■ 26.1646, 0.3730,
0.1844

■ 39.1671, 0.3438,
0.2191


■ 25.7528, 0.3765,
0.1848

■ 46.0842, 0.3368,
0.2371

■ 54.7373, 0.3303,
0.2570

 65.2357, 0.3244,
0.2779

 77.6795, 0.3192,
0.2988

 92.1616, 0.3147,
0.3193

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



30.0413, 0.2233, 0.1507



30.0413, 0.3586, 0.1929



30.0413, 0.5097, 0.2590

Triad

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



30.0413, 0.3586, 0.1929



30.0413, 0.4597, 0.5228



30.0413, 0.1001, 0.2262

Complementary

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



30.0413, 0.3586, 0.1929



73.5141, 0.2915, 0.5333

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.



30.0413, 0.1357, 0.3739



30.0413, 0.3586, 0.1929



30.0413, 0.3409, 0.6040

Square

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



30.0413, 0.3586, 0.1929



30.0413, 0.5550, 0.4211



30.0413, 0.2231, 0.5576



30.0413, 0.1038, 0.1576

Rectangle

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



30.0413, 0.3586, 0.1929



30.0413, 0.5729, 0.3092



30.0413, 0.2231, 0.5576



30.0413, 0.1068, 0.2655

Sweetspot

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



30.0428, 0.3586, 0.1929



68.6179, 0.3228, 0.2839



13.5515, 0.1862, 0.1008



14.0049, 0.3243, 0.2782



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.



30.0428, 0.3586, 0.1929



26.7157, 0.3696, 0.1848



26.3990, 0.4919, 0.2778



18.2381, 0.3167, 0.3099



13.4813, 0.3754, 0.1842



1.3271, 0.3680, 0.1801

Inverse Universe

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



30.0428, 0.3586, 0.1929



26.7157, 0.3696, 0.1848



76.5108, 0.2538, 0.4075



18.2381, 0.3167, 0.3099



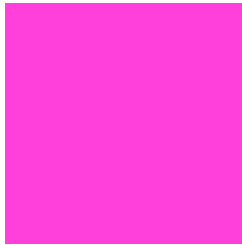
13.4813, 0.3754, 0.1842



1.3271, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 30.0413, 0.3586, 0.1929 looks on a white background.

Color Contrast Check

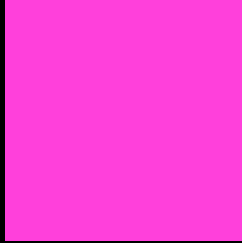
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0413, 0.3586, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

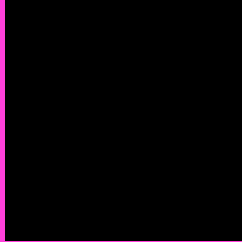
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0413, 0.3586, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 30.0413, 0.3586, 0.1929.



This preview shows how white text looks on a background with the Yxy color 30.0413, 0.3586, 0.1929.

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

30.0413, 0.3586, 0.1929

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.1183, 0.2487, 0.2424



Tritanopia

29.9979, 0.4866, 0.3236

Trichromacy



Original Color

30.0413, 0.3586, 0.1929



Protanomaly

26.0697, 0.2422, 0.1745



Deuteranomaly

26.5397, 0.2814, 0.2086



Tritanomaly

29.2573, 0.4423, 0.2702

Monochromacy



Original Color

30.0413, 0.3586, 0.1929



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2393, 0.3318, 0.2520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0413, 0.3586, 0.1929 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 219) }
```

Border

The CSS property to change the border of an element to Yxy 30.0413, 0.3586, 0.1929 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, 219) }
```

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

```
.border{ border-color:rgb(255, 64, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0413, 0.3586, 0.1929 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, 219) }
```

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

```
.background{ background-color: rgb(255, 64,  
219) }
```

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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