

Converting Colors

$Y_{xy}(52.7242, 0.3684, 0.2096)$

Have a look what the booklet for
Yxy(52.7242, 0.3684, 0.2096)
contains.

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Color

Yxy(38.1805, 0.3192, 0.1900)

Conversions

Conversions Part 1

Format	Color
Hex	FF67FF
RGB	255, 103, 255
RGB Percent	100%, 40%, 100%
CMY	0.0000, 0.5961, 0.0000
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	64.1432, 38.1805, 98.6263
YIQ	165.7760, 41.8000, 79.4960

Conversions

Conversions Part 2

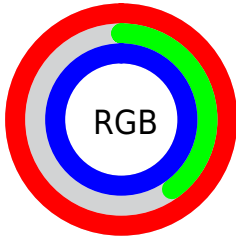
Format	Color
RYB	255, 103, 255
Decimal	16738303
CIELab	68.15, 75.84, -48.42
CIElCh	68, 89.980, 327.445
Yxy	38.1805, 0.3192, 0.1900
Android (android.graphics.Color)	4294928383 (0xFFFF67FF)
YUV	165.7760, 43.9874, 78.2494
Hunter-Lab	61.7904, 77.1638, -51.3821

Details

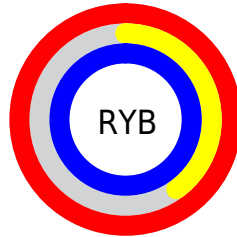
The Yxy color **38.1805, 0.3192, 0.1900** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.3831, 0.3036, 0.5226**, and the grayscale version is **37.7875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **16.9411, 0.3168, 0.1610** is the 20% darker color. If you saturate the color by 10%, you get **33.8572, 0.3199, 0.1748**, and if you desaturate by 10%, it is **44.0487, 0.3183, 0.2091**.

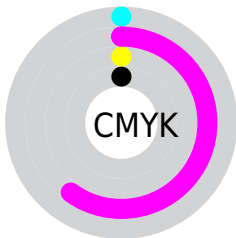
Distribution



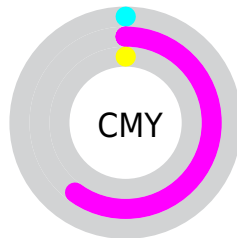
- Red (100%)
- Green (40%)
- Blue (100%)



- Red (100%)
- Yellow (40%)
- Blue (100%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1805, 0.3192, 0.1900 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 38.1805, 0.3192, 0.1900 by changing the saturation by 10% instead.


 38.1805, 0.3192,
0.1900

 38.1805, 0.3192,
0.1900


338.3936, 0.3193,
0.2517

 26.1228, 0.3184,
0.1769


 72.3847, 0.3198,
0.2107


 16.9155, 0.3171,
0.1612


 95.3000, 0.3199,
0.2189

 10.1743, 0.3147,
0.1424


 122.6033, 0.3199,
0.2261

 5.5147, 0.3107,
0.1195

 154.6790, 0.3198,
0.2325

 2.5523, 0.3035,
0.0918

191.9115, 0.3197,
0.2381

 0.9027, 0.2900,
0.0591

234.6852, 0.3196,

 0.0000, 0.2705,

0.2431

0.0000

283.3844, 0.3194,
0.2476

■ 0.0000, 0.2056,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1805, 0.3192,
0.1900

■ 38.1805, 0.3192,
0.1900

■ 33.8572, 0.3199,
0.1748

■ 44.0487, 0.3183,
0.2091

■ 30.9351, 0.3205,
0.1638

■ 51.5910, 0.3173,
0.2311


■ 29.2400, 0.3208,
0.1572

■ 60.9210, 0.3162,
0.2551

■ 28.5005, 0.3209,
0.1542

■ 72.1428, 0.3150,
0.2801

 28.4787, 0.3209,
0.1542

 85.3527, 0.3138,
0.3053

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.



38.1805, 0.2064, 0.1569



38.1805, 0.3192, 0.1900



38.1805, 0.4584, 0.2482

Triad

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



38.1805, 0.3192, 0.1900



38.1805, 0.4810, 0.4896



38.1805, 0.1197, 0.2656

Complementary

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



38.1805, 0.3192, 0.1900



75.3831, 0.3036, 0.5226

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.



38.1805, 0.1682, 0.4157



38.1805, 0.3192, 0.1900



38.1805, 0.3753, 0.5684

Square

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



38.1805, 0.3192, 0.1900



38.1805, 0.5531, 0.3996



38.1805, 0.2624, 0.5579



38.1805, 0.1132, 0.1831

Rectangle

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



38.1805, 0.3192, 0.1900



38.1805, 0.5310, 0.2954



38.1805, 0.2624, 0.5579



38.1805, 0.1305, 0.3088

Sweetspot

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



38.1799, 0.3192, 0.1900



74.1298, 0.3148, 0.2842



20.3159, 0.1968, 0.1391



15.1050, 0.3152, 0.2769



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.



38.1799, 0.3192, 0.1900



33.0366, 0.3201, 0.1718



34.3188, 0.3990, 0.2513



18.3004, 0.3138, 0.3056



14.8808, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



31.9400, 0.5008, 0.3296



26.2777, 0.5605, 0.3297



77.5567, 0.2728, 0.4297



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 38.1805, 0.3192, 0.1900 looks on a white background.

Color Contrast Check

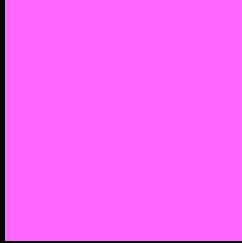
Large Text (above 18pt) WCAG AA × Fail

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 38.1805, 0.3192, 0.1900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

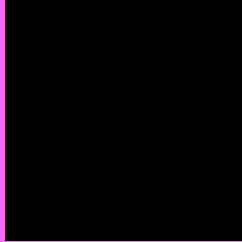
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1805, 0.3192, 0.1900

Background



This preview shows how black text looks on a background with the Yxy color 38.1805, 0.3192, 0.1900.



This preview shows how white text looks on a background with the Yxy color 38.1805, 0.3192, 0.1900.

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

38.1805, 0.3192, 0.1900

Protanopia

38.6765, 0.2276, 0.2155

Deuteranopia

38.4894, 0.2332, 0.2266



Tritanopia

37.9411, 0.4210, 0.3183

Trichromacy



Original Color

38.1805, 0.3192, 0.1900



Protanomaly

35.9131, 0.2535, 0.1985



Deuteranomaly

35.5327, 0.2573, 0.2036

Tritanomaly

37.4008, 0.3831, 0.2649

Monochromacy



Original Color

38.1805, 0.3192, 0.1900



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

35.7279, 0.3159, 0.2607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1805, 0.3192, 0.1900 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, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 255)  
}
```

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, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1805, 0.3192, 0.1900 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, 103, 255) }
```

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

```
.border{ border-color:rgb(255, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1805, 0.3192, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 255) }
```

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

```
.background{ background-color: rgb(255,  
103, 255) }
```

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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