

Converting Colors

$Yxy(39.4995, 0.3285, 0.1936)$

Have a look what the booklet for
Yxy(39.4995, 0.3285, 0.1936)
contains.

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Color

Yxy(37.9185, 0.3202, 0.1901)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FE
RGB	255, 102, 254
RGB Percent	100%, 40%, 100%
CMY	0.0001, 0.5998, 0.0041
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	63.8690, 37.9185, 97.6785
YIQ	165.0750, 42.3960, 79.7080

Conversions

Conversions Part 2

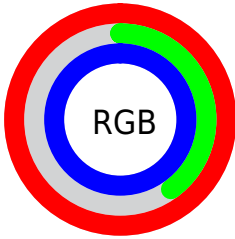
Format	Color
RYB	255, 102, 254
Decimal	16738046
CIELab	67.96, 76.05, -48.13
CIElCh	68, 89.999, 327.670
Yxy	37.9185, 0.3202, 0.1901
Android (android.graphics.Color)	4294928126 (0xFFFF66FE)
YUV	165.0750, 43.8400, 78.8642
Hunter-Lab	61.5780, 77.3797, -50.9446

Details

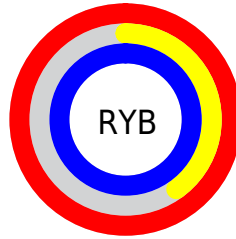
The Yxy color **37.9185, 0.3202, 0.1901** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.3159, 0.3032, 0.5227**, and the grayscale version is **37.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.7774, 0.3180, 0.1609** is the 20% darker color. If you saturate the color by 10%, you get **33.6424, 0.3211, 0.1751**, and if you desaturate by 10%, it is **43.7389, 0.3191, 0.2089**.

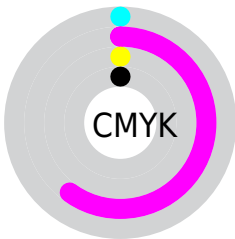
Distribution



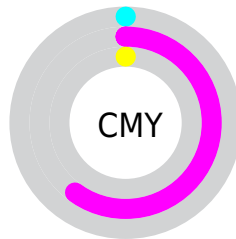
- Red (100%)
- Green (40%)
- Blue (100%)



- 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 37.9185, 0.3202, 0.1901 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 37.9185, 0.3202, 0.1901 by changing the saturation by 10% instead.

 37.9185, 0.3202,
0.1901


 37.9185, 0.3202,
0.1901


337.2702, 0.3198,
0.2518

 25.9194, 0.3195,
0.1769


 71.9832, 0.3207,
0.2108


 16.7634, 0.3183,
0.1613

 94.8176, 0.3207,
0.2191

 10.0659, 0.3162,
0.1424


 122.0326, 0.3206,
0.2263

 5.4427, 0.3123,
0.1194

 154.0126, 0.3205,
0.2326

 2.5093, 0.3054,
0.0916

191.1420, 0.3203,
0.2382

 0.8813, 0.2922,
0.0587

233.8051, 0.3201,

 0.0000, 0.2728,

0.2432

0.0000

282.3864, 0.3200,
0.2477

■ 0.0000, 0.2070,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9185, 0.3202,
0.1901

■ 37.9185, 0.3202,
0.1901

■ 33.6424, 0.3211,
0.1751

■ 43.7389, 0.3191,
0.2089

■ 30.7589, 0.3218,
0.1643


■ 51.2262, 0.3179,
0.2308

■ 29.0952, 0.3223,
0.1579

■ 60.4969, 0.3166,
0.2546

■ 28.3664, 0.3226,
0.1551

■ 71.6554, 0.3153,
0.2795

 28.3653, 0.3226,
0.1551

 84.7982, 0.3140,
0.3046

99.9952, 0.3127,
0.3290

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



37.9185, 0.2068, 0.1568



37.9185, 0.3202, 0.1901



37.9185, 0.4597, 0.2486

Triad

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



37.9185, 0.3202, 0.1901



37.9185, 0.4805, 0.4905



37.9185, 0.1192, 0.2645

Complementary

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



37.9185, 0.3202, 0.1901



75.3159, 0.3032, 0.5227

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.



37.9185, 0.1673, 0.4146



37.9185, 0.3202, 0.1901



37.9185, 0.3744, 0.5693

Square

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



37.9185, 0.3202, 0.1901



37.9185, 0.5532, 0.4002



37.9185, 0.2613, 0.5580



37.9185, 0.1130, 0.1824

Rectangle

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



37.9185, 0.3202, 0.1901



37.9185, 0.5322, 0.2958



37.9185, 0.2613, 0.5580



37.9185, 0.1299, 0.3076

Sweetspot

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



37.9202, 0.3202, 0.1901



74.1102, 0.3150, 0.2845



19.5571, 0.1955, 0.1351



15.1001, 0.3154, 0.2772



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.



37.9202, 0.3202, 0.1901



32.9583, 0.3213, 0.1725



34.0024, 0.4030, 0.2534



18.2982, 0.3139, 0.3057



14.8249, 0.3226, 0.1551



1.4441, 0.3224, 0.1550

Inverse Universe

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



37.9202, 0.3202, 0.1901



32.9583, 0.3213, 0.1725



77.5702, 0.2715, 0.4270



18.2982, 0.3139, 0.3057



14.8249, 0.3226, 0.1551



1.4441, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 37.9185, 0.3202, 0.1901 looks on a white background.

Color Contrast Check

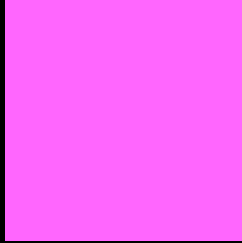
Large Text (above 18pt) WCAG AA × Fail

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 37.9185, 0.3202, 0.1901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

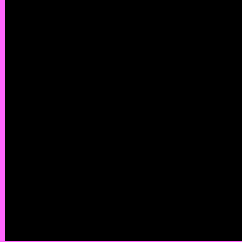
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9185, 0.3202, 0.1901

Background



This preview shows how black text looks on a background with the Yxy color 37.9185, 0.3202, 0.1901.



This preview shows how white text looks on a background with the Yxy color 37.9185, 0.3202, 0.1901.

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

37.9185, 0.3202, 0.1901

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.3679, 0.2342, 0.2287



Tritanopia

37.6355, 0.4226, 0.3184

Trichromacy



Original Color

37.9185, 0.3202, 0.1901



Protanomaly

35.4999, 0.2526, 0.1972



Deuteranomaly

35.4085, 0.2585, 0.2053



Tritanomaly

37.1121, 0.3845, 0.2649

Monochromacy



Original Color

37.9185, 0.3202, 0.1901



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.3830, 0.3169, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9185, 0.3202, 0.1901 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, 102, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 254)  
}
```

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, 102, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 254) }
```

Border

The CSS property to change the border of an element to Yxy 37.9185, 0.3202, 0.1901 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, 102, 254) }
```

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

```
.border{ border-color:rgb(255, 102, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9185, 0.3202, 0.1901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 254) }
```

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

```
.background{ background-color: rgb(255,  
102, 254) }
```

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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