

Converting Colors

$Y_{xy}(40.0240, 0.3302, 0.2081)$

Have a look what the booklet for
Yxy(40.0240, 0.3302, 0.2081)
contains.

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Color

Yxy(39.9925, 0.3298, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	FF73F3
RGB	255, 115, 243
RGB Percent	100%, 45%, 95%
CMY	0.0000, 0.5492, 0.0470
CMYK	0.00, 0.55, 0.05, 0.00
HSL	305°, 100%, 73%
HSV	305°, 55%, 100%
XYZ	63.5640, 39.9925, 89.1785
YIQ	171.4520, 42.3520, 69.4880

Conversions

Conversions Part 2

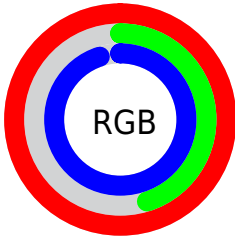
Format	Color
R _Y B	255, 115, 243
Decimal	16741363
CIE Lab	69.46, 68.87, -39.77
CIE LCh	69, 79.527, 329.993
Yxy	39.9925, 0.3298, 0.2075
Android (android.graphics.Color)	4294931443 (0xFFFF73F3)
YUV	171.4520, 35.2732, 73.2716
Hunter-Lab	63.2396, 68.7462, -39.3411

Details

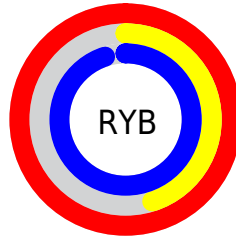
The Yxy color **39.9925, 0.3298, 0.2075** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.6930, 0.2995, 0.4924**, and the grayscale version is **40.7553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **17.8796, 0.3313, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **34.8230, 0.3333, 0.1912**, and if you desaturate by 10%, it is **46.7561, 0.3262, 0.2270**.

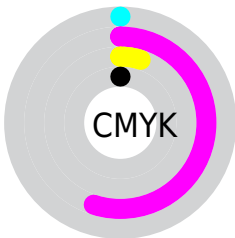
Distribution



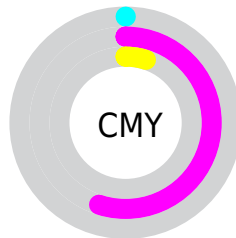
- Red (100%)
- Green (45%)
- Blue (95%)



- Red (100%)
- Yellow (45%)
- Blue (95%)



- Cyan (0%)
- Magenta (55%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9925, 0.3298, 0.2075 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 39.9925, 0.3298, 0.2075 by changing the saturation by 10% instead.


 39.9925, 0.3298,
0.2075


 39.9925, 0.3298,
0.2075


346.0920, 0.3239,
0.2624

 27.5327, 0.3306,
0.1955


 75.1521, 0.3282,
0.2261

 17.9737, 0.3313,
0.1811


 98.6207, 0.3274,
0.2335

 10.9311, 0.3318,
0.1633


 126.5276, 0.3267,
0.2399

 6.0205, 0.3316,
0.1413

159.2574, 0.3260,
0.2455

 2.8576, 0.3298,
0.1137

197.1943, 0.3254,
0.2505

 1.0578, 0.3243,
0.0791

240.7227, 0.3249,

 0.0000, 0.3217,

0.2549

0.0000

290.2272, 0.3243,
0.2588

■ 0.0000, 0.2611,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9925, 0.3298,
0.2075

■ 39.9925, 0.3298,
0.2075

■ 34.8230, 0.3333,
0.1912

■ 46.7561, 0.3262,
0.2270

■ 31.1341, 0.3367,
0.1789


■ 55.2573, 0.3228,
0.2487


■ 28.7597, 0.3399,
0.1710

■ 65.5979, 0.3196,
0.2717

■ 27.5043, 0.3428,
0.1675

■ 77.8778, 0.3166,
0.2950

 27.1538, 0.3441,
0.1669

 92.1902, 0.3139,
0.3180

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.



39.9925, 0.2255, 0.1744



39.9925, 0.3298, 0.2075



39.9925, 0.4499, 0.2633

Triad

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



39.9925, 0.3298, 0.2075



39.9925, 0.4622, 0.4862



39.9925, 0.1366, 0.2674

Complementary

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



39.9925, 0.3298, 0.2075



76.6930, 0.2995, 0.4924

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.



39.9925, 0.1799, 0.3926



39.9925, 0.3298, 0.2075



39.9925, 0.3669, 0.5437

Square

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



39.9925, 0.3298, 0.2075



39.9925, 0.5261, 0.4070



39.9925, 0.2641, 0.5169



39.9925, 0.1319, 0.1955

Rectangle

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



39.9925, 0.3298, 0.2075



39.9925, 0.5098, 0.3082



39.9925, 0.2641, 0.5169



39.9925, 0.1463, 0.3039

Sweetspot

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



39.9849, 0.3298, 0.2075



76.4517, 0.3169, 0.2925



23.9563, 0.2130, 0.1552



15.7974, 0.3175, 0.2877



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.



39.9849, 0.3298, 0.2075



34.3550, 0.3337, 0.1896



36.5418, 0.4060, 0.2700



18.2720, 0.3151, 0.3076



14.1996, 0.3437, 0.1667



1.3901, 0.3408, 0.1651

Inverse Universe

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



39.9849, 0.3298, 0.2075



34.3550, 0.3337, 0.1896



79.1774, 0.2681, 0.4016



18.2720, 0.3151, 0.3076



14.1996, 0.3437, 0.1667



1.3901, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 39.9925, 0.3298, 0.2075 looks on a white background.

Color Contrast Check

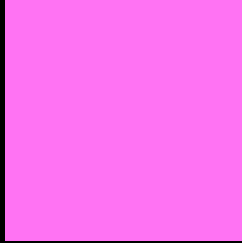
Large Text (above 18pt) WCAG AA × Fail

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 39.9925, 0.3298, 0.2075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

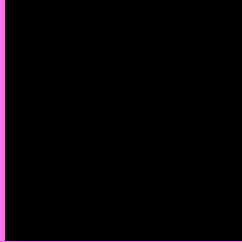
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9925, 0.3298, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 39.9925, 0.3298, 0.2075.



This preview shows how white text looks on a background with the Yxy color 39.9925, 0.3298, 0.2075.

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

39.9925, 0.3298, 0.2075

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.3353, 0.2499, 0.2444



Tritanopia

39.8683, 0.4150, 0.3184

Trichromacy



Original Color

39.9925, 0.3298, 0.2075



Protanomaly

37.9686, 0.2598, 0.2096



Deuteranomaly

38.3007, 0.2749, 0.2251



Tritanomaly

39.3406, 0.3835, 0.2731

Monochromacy



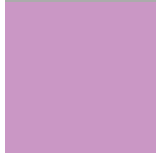
Original Color

39.9925, 0.3298, 0.2075



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.7210, 0.3202, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9925, 0.3298, 0.2075 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, 115, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 243)  
}
```

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, 115, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 243) }
```

Border

The CSS property to change the border of an element to Yxy 39.9925, 0.3298, 0.2075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

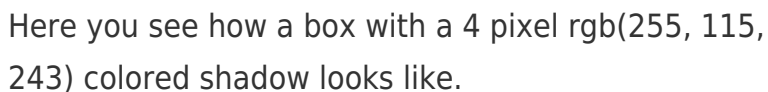
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 115, 243) }
```

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

```
.border{ border-color:rgb(255, 115, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 115, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 115, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 115, 243); box-shadow:4px 4px 4px 4px rgb(255, 115, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9925, 0.3298, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 243) }
```

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

```
.background{ background-color: rgb(255,  
115, 243) }
```

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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