

Converting Colors

$Y_{xy}(47.1996, 0.3704, 0.2160)$

Have a look what the booklet for
Yxy(47.1996, 0.3704, 0.2160)
contains.

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Color

Yxy(37.6923, 0.3294, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	FF68F4
RGB	255, 104, 244
RGB Percent	100%, 41%, 96%
CMY	0.0001, 0.5921, 0.0431
CMYK	0.00, 0.59, 0.04, 0.00
HSL	304°, 100%, 70%
HSV	304°, 59%, 100%
XYZ	62.5168, 37.6923, 89.5809
YIQ	165.1090, 45.0560, 75.5520

Conversions

Conversions Part 2

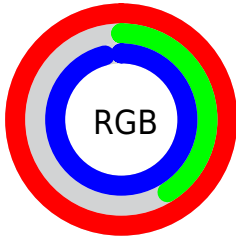
Format	Color
R _Y B	255, 104, 244
Decimal	16738548
CIE Lab	67.79, 73.66, -42.93
CIE LCh	68, 85.256, 329.762
Yxy	37.6923, 0.3294, 0.1986
Android (android.graphics.Color)	4294928628 (0xFFFF68F4)
YUV	165.1090, 38.8933, 78.8344
Hunter-Lab	61.3941, 74.3248, -43.5350

Details

The Yxy color **37.6923, 0.3294, 0.1986** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6919, 0.2996, 0.5089**, and the grayscale version is **37.4791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **16.6410, 0.3307, 0.1709** is the 20% darker color. If you saturate the color by 10%, you get **33.2007, 0.3324, 0.1838**, and if you desaturate by 10%, it is **43.7399, 0.3263, 0.2170**.

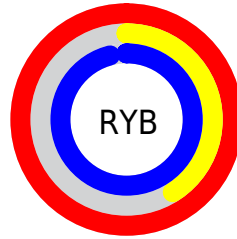
Distribution



Red (100%)

Green (41%)

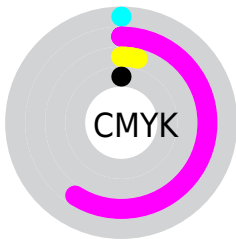
Blue (96%)



Red (100%)

Yellow (41%)

Blue (96%)

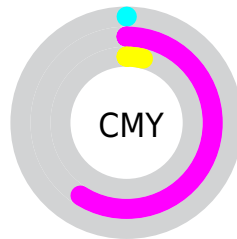


Cyan (0%)

Magenta (59%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (59%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6923, 0.3294, 0.1986 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 37.6923, 0.3294, 0.1986 by changing the saturation by 10% instead.


 37.6923, 0.3294,
0.1986


 37.6923, 0.3294,
0.1986


336.2982, 0.3240,
0.2573

 25.7440, 0.3300,
0.1859


 71.6363, 0.3280,
0.2185

 16.6322, 0.3304,
0.1705


 94.4007, 0.3274,
0.2264

 9.9726, 0.3303,
0.1519


 121.5393, 0.3267,
0.2332

 5.3808, 0.3292,
0.1289

 153.4364, 0.3261,
0.2392

 2.4724, 0.3261,
0.1005

190.4764, 0.3255,
0.2445

 0.8628, 0.3181,
0.0660

233.0438, 0.3250,

 0.0000, 0.3073,

0.2493

0.0000

281.5229, 0.3245,
0.2535

■ 0.0000, 0.2376,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6923, 0.3294,
0.1986

■ 37.6923, 0.3294,
0.1986

■ 33.2007, 0.3324,
0.1838

■ 43.7399, 0.3263,
0.2170

■ 30.1150, 0.3353,
0.1733

■ 51.4649, 0.3232,
0.2381


■ 28.2652, 0.3379,
0.1672

■ 60.9828, 0.3202,
0.2609

■ 27.3925, 0.3403,
0.1650

■ 72.3975, 0.3174,
0.2844

 27.3400, 0.3404,
0.1649

 85.8048, 0.3149,
0.3079

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



37.6923, 0.2176, 0.1642



37.6923, 0.3294, 0.1986



37.6923, 0.4612, 0.2570

Triad

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



37.6923, 0.3294, 0.1986



37.6923, 0.4700, 0.4930



37.6923, 0.1247, 0.2610

Complementary

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



37.6923, 0.3294, 0.1986



75.6919, 0.2996, 0.5089

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.



37.6923, 0.1692, 0.3993



37.6923, 0.3294, 0.1986



37.6923, 0.3673, 0.5617

Square

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



37.6923, 0.3294, 0.1986



37.6923, 0.5413, 0.4066



37.6923, 0.2581, 0.5384



37.6923, 0.1205, 0.1853

Rectangle

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



37.6923, 0.3294, 0.1986



37.6923, 0.5268, 0.3036



37.6923, 0.2581, 0.5384



37.6923, 0.1345, 0.3006

Sweetspot

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



37.6940, 0.3294, 0.1986



73.9171, 0.3171, 0.2873



20.7062, 0.2028, 0.1402



15.0522, 0.3179, 0.2804



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.



37.6940, 0.3294, 0.1986



32.5524, 0.3330, 0.1816



34.0424, 0.4141, 0.2640



18.2763, 0.3149, 0.3073



14.2973, 0.3401, 0.1647



1.3986, 0.3377, 0.1634

Inverse Universe

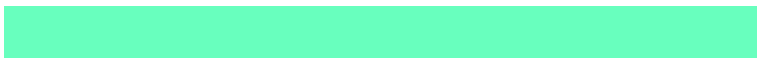
The Inverse Universe completely reimagines the original color for something new.



37.6940, 0.3294, 0.1986



32.5524, 0.3330, 0.1816



78.1532, 0.2673, 0.4119



18.2763, 0.3149, 0.3073



14.2973, 0.3401, 0.1647



1.3986, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 37.6923, 0.3294, 0.1986 looks on a white background.

Color Contrast Check

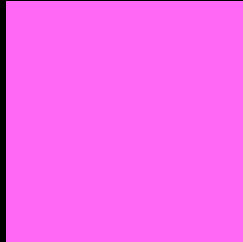
Large Text (above 18pt) WCAG AA × Fail

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 37.6923, 0.3294, 0.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

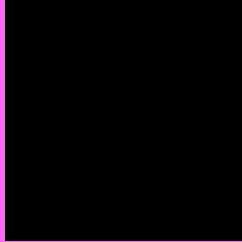
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6923, 0.3294, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 37.6923, 0.3294, 0.1986.



This preview shows how white text looks on a background with the Yxy color 37.6923, 0.3294, 0.1986.

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

37.6923, 0.3294, 0.1986

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.0669, 0.2432, 0.2377



Tritanopia

37.4803, 0.4264, 0.3195

Trichromacy



Original Color

37.6923, 0.3294, 0.1986



Protanomaly

35.5411, 0.2552, 0.2016



Deuteranomaly

35.4641, 0.2687, 0.2146



Tritanomaly

36.9076, 0.3903, 0.2700

Monochromacy



Original Color

37.6923, 0.3294, 0.1986



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.5457, 0.3197, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6923, 0.3294, 0.1986 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, 104, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 244)  
}
```

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, 104, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 244) }
```

Border

The CSS property to change the border of an element to Yxy 37.6923, 0.3294, 0.1986 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, 104, 244) }
```

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

```
.border{ border-color:rgb(255, 104, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 104, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 104, 244); box-shadow:4px 4px 4px 4px rgb(255, 104, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6923, 0.3294, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 244) }
```

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

```
.background{ background-color: rgb(255,  
104, 244) }
```

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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