

Converting Colors

$Yxy(37.2223, 0.3194, 0.1867)$

Have a look what the booklet for
Yxy(37.2223, 0.3194, 0.1867)
contains.

Yxy(37.2154, 0.3194, 0.1867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.2154, 0.3194, 0.1867)

Conversions

Conversions Part 1

Format	Color
Hex	FF62FF
RGB	255, 98, 255
RGB Percent	100%, 38%, 100%
CMY	0.0000, 0.6158, 0.0000
CMYK	0.00, 0.62, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 62%, 100%
XYZ	63.6668, 37.2154, 98.4504
YIQ	162.8410, 43.1750, 82.1110

Conversions

Conversions Part 2

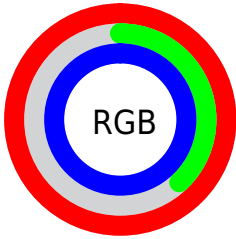
Format	Color
R _{YB}	255, 98, 255
Decimal	16737023
CIE Lab	67.44, 77.84, -49.54
CIE LCh	67, 92.262, 327.526
Yxy	37.2154, 0.3194, 0.1867
Android (android.graphics.Color)	4294927103 (0xFFFF62FF)
YUV	162.8410, 45.4344, 80.8234
Hunter-Lab	61.0044, 79.5325, -52.9805

Details

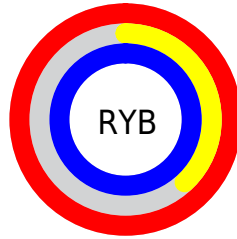
The Yxy color **37.2154, 0.3194, 0.1867** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **74.9967, 0.3033, 0.5291**, and the grayscale version is **36.3062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **16.4181, 0.3169, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **33.1765, 0.3201, 0.1723**, and if you desaturate by 10%, it is **42.7643, 0.3185, 0.2050**.

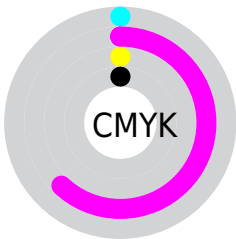
Distribution



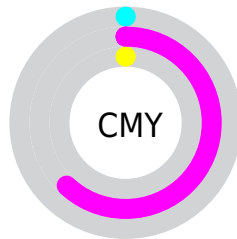
- Red (100%)
- Green (38%)
- Blue (100%)



- Red (100%)
- Yellow (38%)
- Blue (100%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2154, 0.3194, 0.1867 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 37.2154, 0.3194, 0.1867 by changing the saturation by 10% instead.


 37.2154, 0.3194,
0.1867


 37.2154, 0.3194,
0.1867


334.2421, 0.3195,
0.2498


 25.3743, 0.3186,
0.1733


 70.9039, 0.3201,
0.2078


 16.3561, 0.3171,
0.1574


 93.5202, 0.3202,
0.2163

 9.7765, 0.3146,
0.1382

 120.4969, 0.3202,
0.2236

 5.2510, 0.3103,
0.1151

 152.2186, 0.3201,
0.2301

 2.3953, 0.3027,
0.0872

189.0696, 0.3200,
0.2359

 0.8235, 0.2885,
0.0546

231.4342, 0.3198,

 0.0000, 0.2667,

0.2410

0.0000

279.6969, 0.3197,
0.2456

■ 0.0000, 0.1994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2154, 0.3194,
0.1867

■ 37.2154, 0.3194,
0.1867

■ 33.1765, 0.3201,
0.1723

■ 42.7643, 0.3185,
0.2050

■ 30.5111, 0.3205,
0.1622


■ 49.9672, 0.3175,
0.2265


■ 29.0340, 0.3208,
0.1564

■ 58.9363, 0.3164,
0.2502

■ 28.4800, 0.3209,
0.1542

■ 69.7773, 0.3152,
0.2752

 82.5880, 0.3141,
0.3004

 97.4592, 0.3129,
0.3252

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.



37.2154, 0.2036, 0.1531



37.2154, 0.3194, 0.1867



37.2154, 0.4635, 0.2459

Triad

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



37.2154, 0.3194, 0.1867



37.2154, 0.4833, 0.4919



37.2154, 0.1150, 0.2624

Complementary

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



37.2154, 0.3194, 0.1867



74.9967, 0.3033, 0.5291

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.



37.2154, 0.1635, 0.4181



37.2154, 0.3194, 0.1867



37.2154, 0.3745, 0.5753

Square

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



37.2154, 0.3194, 0.1867



37.2154, 0.5588, 0.3992



37.2154, 0.2592, 0.5668



37.2154, 0.1089, 0.1788

Rectangle

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



37.2154, 0.3194, 0.1867



37.2154, 0.5383, 0.2937



37.2154, 0.2592, 0.5668



37.2154, 0.1257, 0.3068

Sweetspot

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



37.2108, 0.3194, 0.1867



74.1300, 0.3148, 0.2842



18.5462, 0.1923, 0.1299



15.1051, 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.



37.2108, 0.3194, 0.1867



32.4116, 0.3202, 0.1694



33.1448, 0.4066, 0.2520



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



37.2108, 0.3194, 0.1867



32.4116, 0.3202, 0.1694



77.2693, 0.2710, 0.4302



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.2154, 0.3194, 0.1867 looks on a white background.

Color Contrast Check

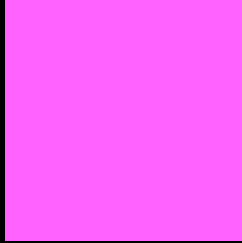
Large Text (above 18pt) WCAG AA × Fail

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 37.2154, 0.3194, 0.1867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

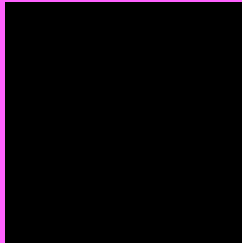
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2154, 0.3194, 0.1867

Background



This preview shows how black text looks on a background with the Yxy color 37.2154, 0.3194, 0.1867.



This preview shows how white text looks on a background with the Yxy color 37.2154, 0.3194, 0.1867.

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

37.2154, 0.3194, 0.1867

Protanopia

37.6499, 0.2249, 0.2124

Deuteranopia

37.3932, 0.2309, 0.2244



Tritanopia

37.0033, 0.4271, 0.3195

Trichromacy



Original Color

37.2154, 0.3194, 0.1867



Protanomaly

34.6839, 0.2508, 0.1945



Deuteranomaly

34.3565, 0.2560, 0.2005

Tritanomaly

36.3452, 0.3864, 0.2630

Monochromacy



Original Color

37.2154, 0.3194, 0.1867



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.1865, 0.3161, 0.2575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2154, 0.3194, 0.1867 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, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.2154, 0.3194, 0.1867 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, 98, 255) }
```

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

```
.border{ border-color:rgb(255, 98, 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, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2154, 0.3194, 0.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 255) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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