

Converting Colors

$Y_{xy}(37.6268, 0.3104, 0.1962)$

Have a look what the booklet for
Yxy(37.6268, 0.3104, 0.1962)
contains.

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Color

Yxy(37.6375, 0.3105, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	F172FA
RGB	241, 114, 250
RGB Percent	95%, 45%, 98%
CMY	0.0551, 0.5527, 0.0196
CMYK	0.04, 0.54, 0.00, 0.02
HSL	296°, 93%, 71%
HSV	296°, 54%, 98%
XYZ	59.5336, 37.6375, 94.5635
YIQ	167.4770, 32.0360, 69.2200

Conversions

Conversions Part 2

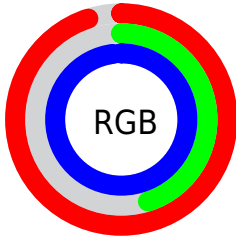
Format	Color
R_{YB}	241, 114, 250
Decimal	15823610
CIE _{Lab}	67.75, 66.80, -46.42
CIE _{LCh}	68, 81.344, 325.207
Yxy	37.6375, 0.3105, 0.1963
Android (android.graphics.Color)	4294013690 (0xFFFF172FA)
YUV	167.4770, 40.6838, 64.4797
Hunter-Lab	61.3494, 65.8553, -48.4446

Details

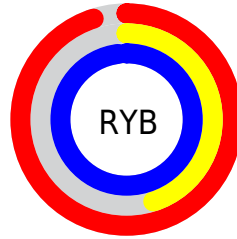
The Yxy color **37.6375, 0.3105, 0.1963** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **73.8012, 0.3089, 0.5021**, and the grayscale version is **38.6804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.6237, 0.3063, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **32.4551, 0.3094, 0.1776**, and if you desaturate by 10%, it is **44.3668, 0.3114, 0.2182**.

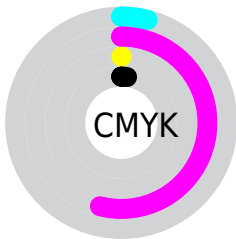
Distribution



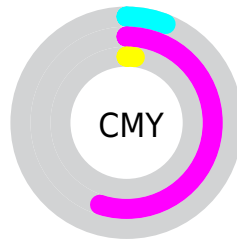
- Red (95%)
- Green (45%)
- Blue (98%)



- Red (95%)
- Yellow (45%)
- Blue (98%)



- Cyan (4%)
- Magenta (54%)
- Yellow (0%)
- Black (2%)





- Cyan (6%)
- Magenta (55%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6375, 0.3105, 0.1963 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 37.6375, 0.3105, 0.1963 by changing the saturation by 10% instead.

 37.6375, 0.3105,
0.1963


 37.6375, 0.3105,
0.1963

336.0624, 0.3145,
0.2560


 25.7015, 0.3088,
0.1834


 71.5522, 0.3125,
0.2165

 16.6004, 0.3064,
0.1678


 94.2996, 0.3131,
0.2245

 9.9500, 0.3027,
0.1490


 121.4196, 0.3135,
0.2315

 5.3658, 0.2969,
0.1258

153.2966, 0.3138,
0.2376

 2.4635, 0.2873,
0.0973

190.3150, 0.3141,
0.2430

 0.8583, 0.2704,
0.0630

232.8592, 0.3142,

 0.0000, 0.2451,

0.2479

0.0000

281.3135, 0.3144,
0.2522

■ 0.0000, 0.1452,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6375, 0.3105,
0.1963

■ 37.6375, 0.3105,
0.1963

■ 32.4551, 0.3094,
0.1776

■ 44.3668, 0.3114,
0.2182

■ 28.6858, 0.3080,
0.1630

■ 52.7523, 0.3120,
0.2423

■ 26.1817, 0.3065,
0.1527

■ 62.8992, 0.3125,
0.2676


■ 24.7594, 0.3049,
0.1468

■ 74.9025, 0.3127,
0.2932

 24.2858, 0.3040,
0.1448

 88.8505, 0.3127,
0.3183

 98.9177, 0.3131,
0.3338

 99.2279, 0.3141,
0.3338

 99.5408, 0.3151,
0.3338

 99.6817, 0.3156,
0.3338

Harmonies

Analogous

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



37.6375, 0.2086, 0.1667



37.6375, 0.3105, 0.1963



37.6375, 0.4368, 0.2503

Triad

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



37.6375, 0.3105, 0.1963



37.6375, 0.4793, 0.4769



37.6375, 0.1349, 0.2813

Complementary

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



37.6375, 0.3105, 0.1963



73.8012, 0.3089, 0.5021

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.



37.6375, 0.1858, 0.4192



37.6375, 0.3105, 0.1963



37.6375, 0.3836, 0.5463

Square

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



37.6375, 0.3105, 0.1963



37.6375, 0.5389, 0.3944



37.6375, 0.2774, 0.5392



37.6375, 0.1249, 0.1986

Rectangle

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



37.6375, 0.3105, 0.1963



37.6375, 0.5061, 0.2951



37.6375, 0.2774, 0.5392



37.6375, 0.1469, 0.3224

Sweetspot

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



37.6392, 0.3105, 0.1963



76.1632, 0.3127, 0.2890



24.6764, 0.2093, 0.1650



15.7278, 0.3126, 0.2837



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.



37.6392, 0.3105, 0.1963



33.6343, 0.3093, 0.1765



36.1340, 0.3799, 0.2502



17.4623, 0.3127, 0.3056



12.9080, 0.3043, 0.1450



1.2127, 0.3064, 0.1461

Inverse Universe

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



33.8011, 0.4645, 0.3203



29.3720, 0.5134, 0.3198



74.9634, 0.2780, 0.4282



17.2439, 0.3284, 0.3275



10.8084, 0.6332, 0.3262



1.0074, 0.6171, 0.3173

Previews

White Background



This preview shows how the Yxy color 37.6375, 0.3105, 0.1963 looks on a white background.

Color Contrast Check

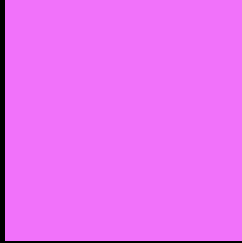
Large Text (above 18pt) WCAG AA × Fail

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 37.6375, 0.3105, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

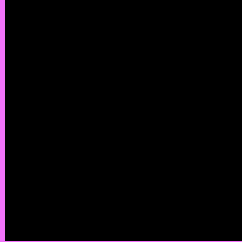
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6375, 0.3105, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 37.6375, 0.3105, 0.1963.



This preview shows how white text looks on a background with the Yxy color 37.6375, 0.3105, 0.1963.

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

37.6375, 0.3105, 0.1963

Protanopia

38.1602, 0.2262, 0.2140

Deuteranopia

37.9701, 0.2356, 0.2295



Tritanopia

37.4522, 0.3975, 0.3175

Trichromacy



Original Color

37.6375, 0.3105, 0.1963



Protanomaly

35.8887, 0.2499, 0.2018



Deuteranomaly

35.9737, 0.2578, 0.2116



Tritanomaly

37.1014, 0.3649, 0.2676

Monochromacy



Original Color

37.6375, 0.3105, 0.1963



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6804, 0.3127, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6375, 0.3105, 0.1963 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(241, 114, 250)` looks like.

```
.text, #text, p{  
    color:rgb(241, 114, 250)  
}
```

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(241, 114, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 114, 250) }
```

Border

The CSS property to change the border of an element to Yxy 37.6375, 0.3105, 0.1963 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(241, 114, 250) }
```

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

```
.border{ border-color:rgb(241, 114, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 114, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 114, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 114, 250);  
box-shadow:4px 4px 4px 4px rgb(241, 114,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6375, 0.3105, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 114, 250) }
```

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

```
.background{ background-color: rgb(241,  
114, 250) }
```

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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