

Converting Colors

$Y_{xy}(37.5870, 0.3250, 0.1938)$

Have a look what the booklet for
Yxy(37.5870, 0.3250, 0.1938)
contains.

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Color

Yxy(37.6023, 0.3248, 0.1936)

Conversions

Conversions Part 1

Format	Color
Hex	FF66F9
RGB	255, 102, 249
RGB Percent	100%, 40%, 98%
CMY	0.0000, 0.5999, 0.0236
CMYK	0.00, 0.60, 0.02, 0.00
HSL	302°, 100%, 70%
HSV	302°, 60%, 100%
XYZ	63.0849, 37.6023, 93.5396
YIQ	164.5050, 44.0010, 78.1530

Conversions

Conversions Part 2

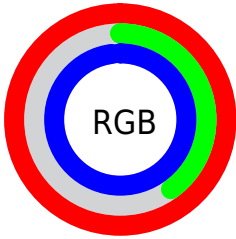
Format	Color
R _Y B	255, 102, 249
Decimal	16738041
CIE _{Lab}	67.73, 75.26, -45.77
CIE _{LCh}	68, 88.082, 328.692
Yxy	37.6023, 0.3248, 0.1936
Android (android.graphics.Color)	4294928121 (0xFFFF66F9)
YUV	164.5050, 41.6560, 79.3641
Hunter-Lab	61.3207, 76.3240, -47.5174

Details

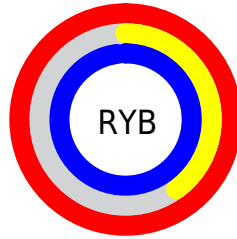
The Yxy color **37.6023, 0.3248, 0.1936** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.4236, 0.3014, 0.5173**, and the grayscale version is **37.1634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.6099, 0.3243, 0.1651** is the 20% darker color. If you saturate the color by 10%, you get **33.2757, 0.3267, 0.1788**, and if you desaturate by 10%, it is **43.4734, 0.3227, 0.2121**.

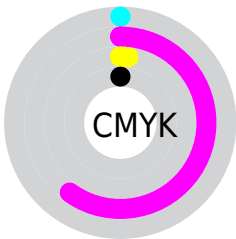
Distribution



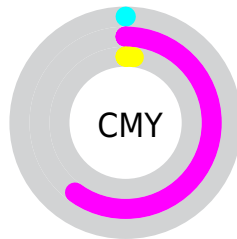
- Red (100%)
- Green (40%)
- Blue (98%)



- Red (100%)
- Yellow (40%)
- Blue (98%)



- Cyan (0%)
- Magenta (60%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6023, 0.3248, 0.1936 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 37.6023, 0.3248, 0.1936 by changing the saturation by 10% instead.


 37.6023, 0.3248,
0.1936


 37.6023, 0.3248,
0.1936


335.9109, 0.3219,
0.2541

 25.6742, 0.3247,
0.1806


 71.4982, 0.3244,
0.2140


 16.5800, 0.3243,
0.1650

 94.2347, 0.3240,
0.2221

 9.9355, 0.3231,
0.1461


 121.3428, 0.3237,
0.2292

 5.3562, 0.3206,
0.1231

 153.2069, 0.3233,
0.2354

 2.4578, 0.3153,
0.0949

190.2113, 0.3230,
0.2409

 0.8554, 0.3045,
0.0612

232.7405, 0.3226,

 0.0000, 0.2884,

0.2458

0.0000

281.1789, 0.3223,
0.2502

■ 0.0000, 0.2199,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6023, 0.3248,
0.1936

■ 37.6023, 0.3248,
0.1936

■ 33.2757, 0.3267,
0.1788

■ 43.4734, 0.3227,
0.2121

■ 30.3421, 0.3284,
0.1683


■ 51.0119, 0.3206,
0.2335

■ 28.6286, 0.3299,
0.1622

■ 60.3342, 0.3185,
0.2568

■ 27.8498, 0.3312,
0.1598

■ 71.5446, 0.3164,
0.2810

 27.8491, 0.3312,
0.1598

 84.7397, 0.3145,
0.3053

99.9977, 0.3127,
0.3290

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



37.6023, 0.2115, 0.1596



37.6023, 0.3248, 0.1936



37.6023, 0.4615, 0.2522

Triad

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



37.6023, 0.3248, 0.1936



37.6023, 0.4758, 0.4924



37.6023, 0.1209, 0.2621

Complementary

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



37.6023, 0.3248, 0.1936



75.4236, 0.3014, 0.5173

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.



37.6023, 0.1673, 0.4074



37.6023, 0.3248, 0.1936



37.6023, 0.3709, 0.5671

Square

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



37.6023, 0.3248, 0.1936



37.6023, 0.5485, 0.4033



37.6023, 0.2592, 0.5500



37.6023, 0.1158, 0.1829

Rectangle

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



37.6023, 0.3248, 0.1936



37.6023, 0.5310, 0.2993



37.6023, 0.2592, 0.5500



37.6023, 0.1312, 0.3037

Sweetspot

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



37.6040, 0.3248, 0.1936



74.0144, 0.3160, 0.2859



19.8602, 0.1983, 0.1364



15.0764, 0.3166, 0.2788



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.



37.6040, 0.3248, 0.1936



32.5816, 0.3271, 0.1764



33.7986, 0.4095, 0.2584



18.2873, 0.3144, 0.3065



14.5585, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Inverse Universe

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



37.6040, 0.3248, 0.1936



32.5816, 0.3271, 0.1764



77.7844, 0.2692, 0.4201



18.2873, 0.3144, 0.3065



14.5585, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 37.6023, 0.3248, 0.1936 looks on a white background.

Color Contrast Check

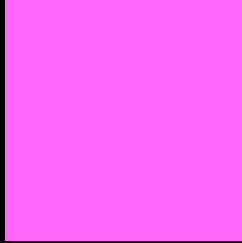
Large Text (above 18pt) WCAG AA × Fail

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 37.6023, 0.3248, 0.1936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

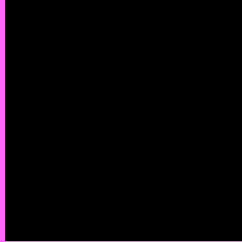
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6023, 0.3248, 0.1936

Background



This preview shows how black text looks on a background with the Yxy color 37.6023, 0.3248, 0.1936.



This preview shows how white text looks on a background with the Yxy color 37.6023, 0.3248, 0.1936.

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

37.6023, 0.3248, 0.1936

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

38.0172, 0.2379, 0.2319



Tritanopia

37.4803, 0.4264, 0.3195

Trichromacy



Original Color

37.6023, 0.3248, 0.1936



Protanomaly

34.9620, 0.2529, 0.1975



Deuteranomaly

35.1045, 0.2627, 0.2082



Tritanomaly

36.7442, 0.3882, 0.2670

Monochromacy



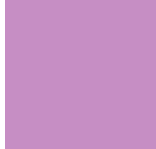
Original Color

37.6023, 0.3248, 0.1936



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.3373, 0.3179, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6023, 0.3248, 0.1936 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 249) }
```

Border

The CSS property to change the border of an element to Yxy 37.6023, 0.3248, 0.1936 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, 249) }
```

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

```
.border{ border-color:rgb(255, 102, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6023, 0.3248, 0.1936 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
102, 249) }
```

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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