

Converting Colors

$Y_{xy}(40.0260, 0.3472, 0.2089)$

Have a look what the booklet for
Yxy(40.0260, 0.3472, 0.2089)
contains.

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Color

Yxy(37.5362, 0.3352, 0.2038)

Conversions

Conversions Part 1

Format	Color
Hex	FF69EE
RGB	255, 105, 238
RGB Percent	100%, 41%, 93%
CMY	0.0000, 0.5884, 0.0665
CMYK	0.00, 0.59, 0.07, 0.00
HSL	307°, 100%, 71%
HSV	307°, 59%, 100%
XYZ	61.7377, 37.5362, 84.9077
YIQ	165.0120, 46.7070, 73.1630

Conversions

Conversions Part 2

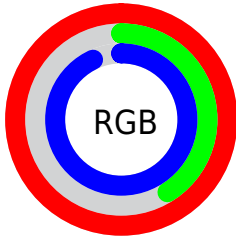
Format	Color
R _Y B	255, 105, 238
Decimal	16738798
CIE Lab	67.68, 72.34, -39.82
CIE LCh	68, 82.575, 331.171
Yxy	37.5362, 0.3352, 0.2038
Android (android.graphics.Color)	4294928878 (0xFFFF69EE)
YUV	165.0120, 35.9831, 78.9195
Hunter-Lab	61.2668, 72.6550, -39.2814

Details

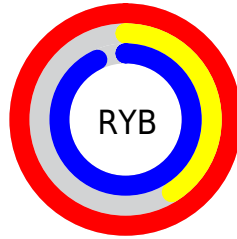
The Yxy color **37.5362, 0.3352, 0.2038** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.9245, 0.2973, 0.5005**, and the grayscale version is **37.4316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **16.5654, 0.3374, 0.1761** is the 20% darker color. If you saturate the color by 10%, you get **32.9264, 0.3396, 0.1893**, and if you desaturate by 10%, it is **43.6954, 0.3307, 0.2218**.

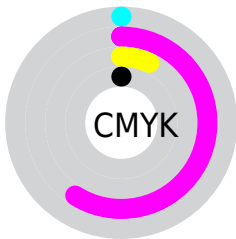
Distribution



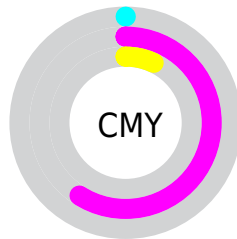
- Red (100%)
- Green (41%)
- Blue (93%)



- Red (100%)
- Yellow (41%)
- Blue (93%)



- Cyan (0%)
- Magenta (59%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (59%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5362, 0.3352, 0.2038 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 37.5362, 0.3352, 0.2038 by changing the saturation by 10% instead.


 37.5362, 0.3352,
0.2038


 37.5362, 0.3352,
0.2038


335.6262, 0.3267,
0.2606


 25.6229, 0.3366,
0.1913


 71.3967, 0.3327,
0.2231


 16.5418, 0.3380,
0.1763


 94.1127, 0.3316,
0.2308

 9.9083, 0.3393,
0.1578


 121.1984, 0.3306,
0.2374

 5.3382, 0.3402,
0.1349

 153.0382, 0.3296,
0.2432

 2.4470, 0.3397,
0.1062

190.0165, 0.3288,
0.2483

 0.8499, 0.3355,
0.0707

232.5176, 0.3280,

 0.0000, 0.3316,

0.2529

0.0000

280.9261, 0.3273,
0.2570

■ 0.0000, 0.2596,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5362, 0.3352,
0.2038

■ 37.5362, 0.3352,
0.2038

■ 32.9264, 0.3396,
0.1893

■ 43.6954, 0.3307,
0.2218

■ 29.7367, 0.3440,
0.1790

■ 51.5450, 0.3264,
0.2424


■ 27.7915, 0.3481,
0.1732

■ 61.1933, 0.3224,
0.2644

■ 26.8431, 0.3519,
0.1715

■ 72.7440, 0.3187,
0.2871

 26.7602, 0.3523,
0.1714

 86.2925, 0.3153,
0.3097

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.



37.5362, 0.2243, 0.1686



37.5362, 0.3352, 0.2038



37.5362, 0.4624, 0.2621

Triad

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



37.5362, 0.3352, 0.2038



37.5362, 0.4634, 0.4945



37.5362, 0.1278, 0.2587

Complementary

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



37.5362, 0.3352, 0.2038



75.9245, 0.2973, 0.5005

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.



37.5362, 0.1700, 0.3901



37.5362, 0.3352, 0.2038



37.5362, 0.3626, 0.5569

Square

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



37.5362, 0.3352, 0.2038



37.5362, 0.5341, 0.4105



37.5362, 0.2557, 0.5266



37.5362, 0.1250, 0.1868

Rectangle

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



37.5362, 0.3352, 0.2038



37.5362, 0.5239, 0.3085



37.5362, 0.2557, 0.5266



37.5362, 0.1370, 0.2962

Sweetspot

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



37.5313, 0.3352, 0.2038



73.8002, 0.3184, 0.2890



21.3069, 0.2066, 0.1428



15.0233, 0.3194, 0.2824



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.



37.5313, 0.3352, 0.2038



32.1219, 0.3406, 0.1867



34.0719, 0.4195, 0.2693



18.2629, 0.3155, 0.3082



13.9970, 0.3517, 0.1711



1.3725, 0.3477, 0.1689

Inverse Universe

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



37.5313, 0.3352, 0.2038



32.1219, 0.3406, 0.1867



78.4607, 0.2652, 0.4045



18.2629, 0.3155, 0.3082



13.9970, 0.3517, 0.1711



1.3725, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 37.5362, 0.3352, 0.2038 looks on a white background.

Color Contrast Check

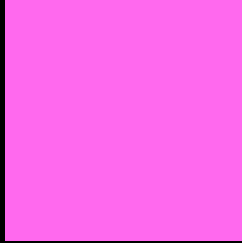
Large Text (above 18pt) WCAG AA × Fail

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 37.5362, 0.3352, 0.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

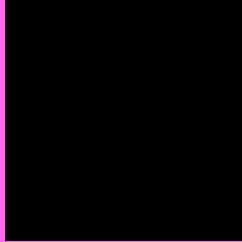
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5362, 0.3352, 0.2038

Background



This preview shows how black text looks on a background with the Yxy color 37.5362, 0.3352, 0.2038.

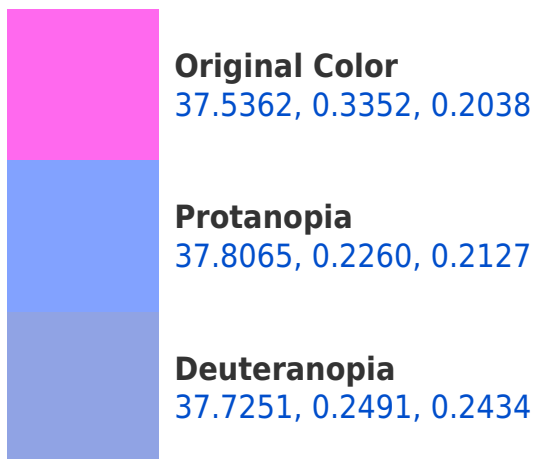


This preview shows how white text looks on a background with the Yxy color 37.5362, 0.3352, 0.2038.

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





Tritanopia

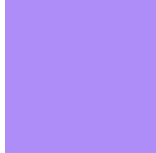
37.3591, 0.4291, 0.3196

Trichromacy



Original Color

37.5362, 0.3352, 0.2038



Protanomaly

35.0033, 0.2556, 0.2019



Deuteranomaly

35.3625, 0.2747, 0.2207



Tritanomaly

37.0101, 0.3937, 0.2723

Monochromacy



Original Color

37.5362, 0.3352, 0.2038



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.4565, 0.3216, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5362, 0.3352, 0.2038 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, 105, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 238)  
}
```

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, 105, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 238) }
```

Border

The CSS property to change the border of an element to Yxy 37.5362, 0.3352, 0.2038 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, 105, 238) }
```

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

```
.border{ border-color:rgb(255, 105, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5362, 0.3352, 0.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 238) }
```

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

```
.background{ background-color: rgb(255,  
105, 238) }
```

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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