

Converting Colors

$Y_{xy}(37.0540, 0.3334, 0.2002)$

Have a look what the booklet for
Yxy(37.0540, 0.3334, 0.2002)
contains.

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Color

Yxy(37.0540, 0.3334, 0.2002)

Conversions

Conversions Part 1

Format	Color
Hex	FF66F0
RGB	255, 102, 240
RGB Percent	100%, 40%, 94%
CMY	0.0001, 0.5998, 0.0589
CMYK	0.00, 0.60, 0.06, 0.00
HSL	306°, 100%, 70%
HSV	306°, 60%, 100%
XYZ	61.7073, 37.0540, 86.3236
YIQ	163.4790, 46.8900, 75.3540

Conversions

Conversions Part 2

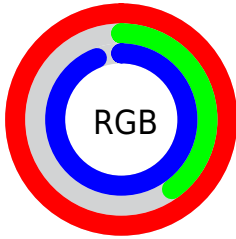
Format	Color
R _{YB}	255, 102, 240
Decimal	16738032
CIE Lab	67.32, 73.82, -41.45
CIE LCh	67, 84.664, 330.683
Yxy	37.0540, 0.3334, 0.2002
Android (android.graphics.Color)	4294928112 (0xFFFF66F0)
YUV	163.4790, 37.7249, 80.2639
Hunter-Lab	60.8720, 74.4235, -41.4698

Details

The Yxy color **37.0540, 0.3334, 0.2002** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6100, 0.2980, 0.5069**, and the grayscale version is **36.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.2231, 0.3362, 0.1723** is the 20% darker color. If you saturate the color by 10%, you get **32.6413, 0.3373, 0.1860**, and if you desaturate by 10%, it is **43.0128, 0.3294, 0.2181**.

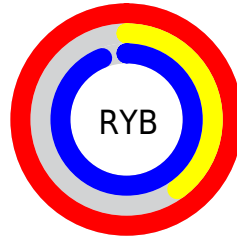
Distribution



Red (100%)

Green (40%)

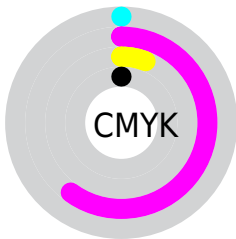
Blue (94%)



Red (100%)

Yellow (40%)

Blue (94%)

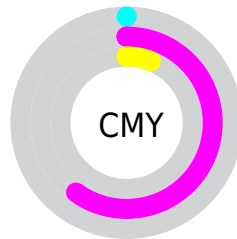


Cyan (0%)

Magenta (60%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0540, 0.3334, 0.2002 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 37.0540, 0.3334, 0.2002 by changing the saturation by 10% instead.


 37.0540, 0.3334,
0.2002


 37.0540, 0.3334,
0.2002


333.5443, 0.3259,
0.2585


 25.2493, 0.3345,
0.1875

 70.6558, 0.3313,
0.2200


 16.2629, 0.3355,
0.1721


 93.2218, 0.3303,
0.2278

 9.7104, 0.3363,
0.1534


 120.1435, 0.3294,
0.2346

 5.2074, 0.3364,
0.1303

 151.8056, 0.3286,
0.2406

 2.3694, 0.3347,
0.1015

188.5923, 0.3279,
0.2459

 0.8101, 0.3289,
0.0661

230.8880, 0.3272,

 0.0000, 0.3208,

0.2505

0.0000

279.0772, 0.3265,
0.2547

■ 0.0000, 0.2466,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0540, 0.3334,
0.2002

■ 37.0540, 0.3334,
0.2002

■ 32.6413, 0.3373,
0.1860

■ 43.0128, 0.3294,
0.2181

■ 29.6231, 0.3411,
0.1760


■ 50.6405, 0.3256,
0.2386

■ 27.8266, 0.3446,
0.1705

■ 60.0533, 0.3219,
0.2608

■ 26.9672, 0.3478,
0.1690

■ 71.3557, 0.3185,
0.2838

 26.9655, 0.3478,
0.1690

 84.6442, 0.3154,
0.3068

99.9914, 0.3127,
0.3290

99.9933, 0.3127,
0.3290

Harmonies

Analogous

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



37.0540, 0.2205, 0.1650



37.0540, 0.3334, 0.2002



37.0540, 0.4647, 0.2591

Triad

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



37.0540, 0.3334, 0.2002



37.0540, 0.4671, 0.4956



37.0540, 0.1242, 0.2579

Complementary

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



37.0540, 0.3334, 0.2002



75.6100, 0.2980, 0.5069

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.



37.0540, 0.1673, 0.3943



37.0540, 0.3334, 0.2002



37.0540, 0.3640, 0.5625

Square

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



37.0540, 0.3334, 0.2002



37.0540, 0.5397, 0.4091



37.0540, 0.2550, 0.5352



37.0540, 0.1210, 0.1840

Rectangle

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



37.0540, 0.3334, 0.2002



37.0540, 0.5287, 0.3059



37.0540, 0.2550, 0.5352



37.0540, 0.1335, 0.2967

Sweetspot

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



37.0557, 0.3334, 0.2002



73.8437, 0.3179, 0.2884



20.3607, 0.2028, 0.1384



15.0340, 0.3188, 0.2817



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.



37.0557, 0.3334, 0.2002



31.9326, 0.3381, 0.1836



33.5100, 0.4194, 0.2660



18.2679, 0.3153, 0.3078



14.1071, 0.3473, 0.1687



1.3821, 0.3439, 0.1668

Inverse Universe

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



37.0557, 0.3334, 0.2002



31.9326, 0.3381, 0.1836



78.0975, 0.2658, 0.4097



18.2679, 0.3153, 0.3078



14.1071, 0.3473, 0.1687



1.3821, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 37.0540, 0.3334, 0.2002 looks on a white background.

Color Contrast Check

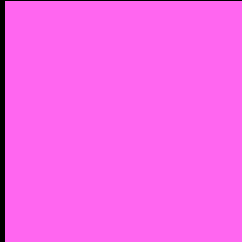
Large Text (above 18pt) WCAG AA × Fail

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 37.0540, 0.3334, 0.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

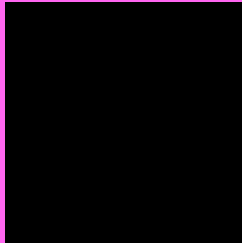
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0540, 0.3334, 0.2002

Background



This preview shows how black text looks on a background with the Yxy color 37.0540, 0.3334, 0.2002.

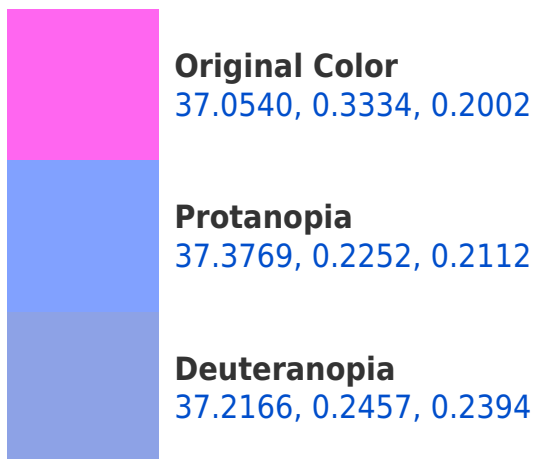


This preview shows how white text looks on a background with the Yxy color 37.0540, 0.3334, 0.2002.

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

36.7977, 0.4313, 0.3185

Trichromacy



Original Color

37.0540, 0.3334, 0.2002



Protanomaly

34.7723, 0.2548, 0.2000



Deuteranomaly

34.6418, 0.2713, 0.2160



Tritanomaly

36.2847, 0.3945, 0.2694

Monochromacy



Original Color

37.0540, 0.3334, 0.2002



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.5471, 0.3207, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0540, 0.3334, 0.2002 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.0540, 0.3334, 0.2002 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, 240) }
```

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

```
.border{ border-color:rgb(255, 102, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0540, 0.3334, 0.2002 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
102, 240) }
```

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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