

Converting Colors

$Yxy(37.5372, 0.3337, 0.2023)$

Have a look what the booklet for
Yxy(37.5372, 0.3337, 0.2023)
contains.

Yxy(37.6544, 0.3332, 0.2023)	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(37.6544, 0.3332, 0.2023)

Conversions

Conversions Part 1

Format	Color
Hex	FF69F0
RGB	255, 105, 240
RGB Percent	100%, 41%, 94%
CMY	0.0001, 0.5882, 0.0587
CMYK	0.00, 0.59, 0.06, 0.00
HSL	306°, 100%, 71%
HSV	306°, 59%, 100%
XYZ	62.0190, 37.6544, 86.4581
YIQ	165.2400, 46.0650, 73.7850

Conversions

Conversions Part 2

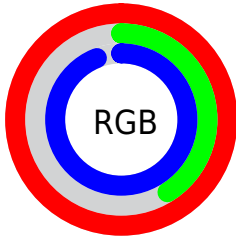
Format	Color
R _Y B	255, 105, 240
Decimal	16738800
CIE Lab	67.77, 72.62, -40.78
CIE LCh	68, 83.286, 330.684
Yxy	37.6544, 0.3332, 0.2023
Android (android.graphics.Color)	4294928880 (0xFFFF69F0)
YUV	165.2400, 36.8567, 78.7195
Hunter-Lab	61.3632, 73.0222, -40.5828

Details

The Yxy color **37.6544, 0.3332, 0.2023** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.8712, 0.2981, 0.5029**, and the grayscale version is **37.5539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **16.6069, 0.3360, 0.1752** is the 20% darker color. If you saturate the color by 10%, you get **33.0667, 0.3372, 0.1876**, and if you desaturate by 10%, it is **43.8043, 0.3292, 0.2205**.

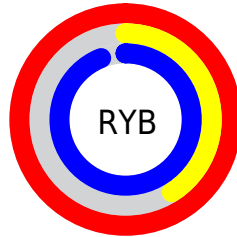
Distribution



Red (100%)

Green (41%)

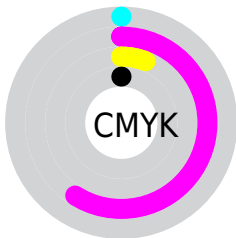
Blue (94%)



Red (100%)

Yellow (41%)

Blue (94%)

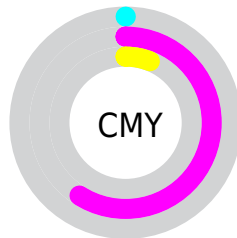


Cyan (0%)

Magenta (59%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6544, 0.3332, 0.2023 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 37.6544, 0.3332, 0.2023 by changing the saturation by 10% instead.


 37.6544, 0.3332,
0.2023


 37.6544, 0.3332,
0.2023


336.1351, 0.3258,
0.2597

 25.7146, 0.3343,
0.1898


 71.5781, 0.3311,
0.2218

 16.6102, 0.3354,
0.1746


 94.3308, 0.3301,
0.2295

 9.9570, 0.3362,
0.1562


 121.4565, 0.3292,
0.2362

 5.3704, 0.3364,
0.1332

 153.3397, 0.3284,
0.2421

 2.4662, 0.3350,
0.1047

190.3648, 0.3277,
0.2472

 0.8596, 0.3296,
0.0695

232.9161, 0.3270,

 0.0000, 0.3234,

0.2518

0.0000

281.3781, 0.3263,
0.2559

0.0000, 0.2524,
0.0000

0.0000, 0.0000,
0.0000

37.6544, 0.3332,
0.2023

37.6544, 0.3332,
0.2023

33.0667, 0.3372,
0.1876

43.8043, 0.3292,
0.2205

29.8920, 0.3410,
0.1772

51.6374, 0.3253,
0.2413


27.9615, 0.3446,
0.1712

61.2686, 0.3216,
0.2636

27.0280, 0.3479,
0.1693

72.8015, 0.3182,
0.2866

 26.9456, 0.3483,
0.1692

 86.3317, 0.3151,
0.3094

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



37.6544, 0.2222, 0.1674



37.6544, 0.3332, 0.2023



37.6544, 0.4616, 0.2606

Triad

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



37.6544, 0.3332, 0.2023



37.6544, 0.4654, 0.4938



37.6544, 0.1272, 0.2597

Complementary

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



37.6544, 0.3332, 0.2023



75.8712, 0.2981, 0.5029

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.



37.6544, 0.1701, 0.3930



37.6544, 0.3332, 0.2023



37.6544, 0.3642, 0.5580

Square

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



37.6544, 0.3332, 0.2023



37.6544, 0.5361, 0.4092



37.6544, 0.2568, 0.5299



37.6544, 0.1238, 0.1866

Rectangle

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



37.6544, 0.3332, 0.2023



37.6544, 0.5243, 0.3069



37.6544, 0.2568, 0.5299



37.6544, 0.1365, 0.2979

Sweetspot

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



37.6562, 0.3332, 0.2023



73.8386, 0.3179, 0.2885



21.1422, 0.2051, 0.1422



15.0328, 0.3189, 0.2818



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.



37.6562, 0.3332, 0.2023



32.2618, 0.3381, 0.1850



34.1719, 0.4163, 0.2668



18.2673, 0.3153, 0.3079



14.0940, 0.3478, 0.1690



1.3810, 0.3443, 0.1671

Inverse Universe

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



37.6562, 0.3332, 0.2023



32.2618, 0.3381, 0.1850



78.3436, 0.2663, 0.4079



18.2673, 0.3153, 0.3079



14.0940, 0.3478, 0.1690



1.3810, 0.3443, 0.1671

Previews

White Background



This preview shows how the Yxy color 37.6544, 0.3332, 0.2023 looks on a white background.

Color Contrast Check

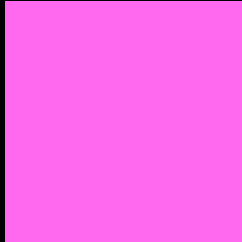
Large Text (above 18pt) WCAG AA × Fail

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 37.6544, 0.3332, 0.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

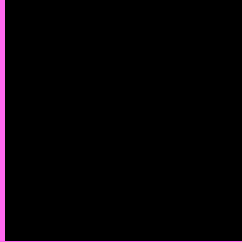
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6544, 0.3332, 0.2023

Background



This preview shows how black text looks on a background with the Yxy color 37.6544, 0.3332, 0.2023.

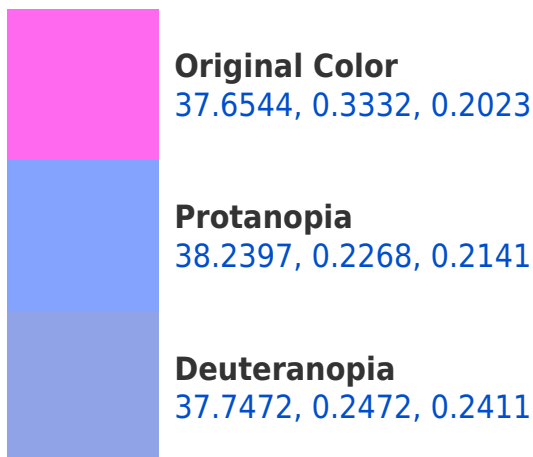


This preview shows how white text looks on a background with the Yxy color 37.6544, 0.3332, 0.2023.

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

37.3888, 0.4279, 0.3185

Trichromacy



Original Color

37.6544, 0.3332, 0.2023



Protanomaly

35.4782, 0.2558, 0.2025



Deuteranomaly

35.4769, 0.2732, 0.2188



Tritanomaly

37.0499, 0.3925, 0.2713

Monochromacy



Original Color

37.6544, 0.3332, 0.2023



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 37.6544, 0.3332, 0.2023 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.6544, 0.3332, 0.2023 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, 240) }
```

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

```
.border{ border-color:rgb(255, 105, 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, 105, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6544, 0.3332, 0.2023 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor