

Converting Colors

Yxy(37.2111, 0.3486, 0.2161)

Have a look what the booklet for
Yxy(37.2111, 0.3486, 0.2161)
contains.

Yxy(37.2116, 0.3482, 0.2157) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(37.2116, 0.3482, 0.2157)

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | FF6BE1 |
| RGB | 255, 107, 225 |
| RGB Percent | 100%, 42%, 88% |
| CMY | 0.0002, 0.5801, 0.1177 |
| CMYK | 0.00, 0.58, 0.12, 0.00 |
| HSL | 312°, 100%, 71% |
| HSV | 312°, 58%, 100% |
| XYZ | 60.0699, 37.2116, 75.2340 |
| YIQ | 164.7040, 50.3300, 68.0740 |

Conversions

Conversions Part 2

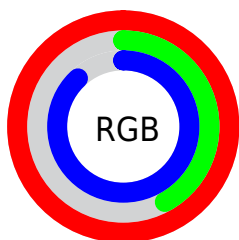
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 107, 225 |
| Decimal | 16739297 |
| CIELab | 67.44, 69.45, -32.96 |
| CIELCh | 67, 76.873, 334.612 |
| Yxy | 37.2116, 0.3482, 0.2157 |
| Android (android.graphics.Color) | 4294929377 (0xFFFF6BE1) |
| YUV | 164.7040, 29.7259, 79.1896 |
| Hunter-Lab | 61.0013, 69.0223, -30.4225 |

Details

The Yxy color **37.2116, 0.3482, 0.2157** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.4206, 0.2919, 0.4814**, and the grayscale version is **37.3240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **16.3434, 0.3558, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **32.3767, 0.3562, 0.2020**, and if you desaturate by 10%, it is **43.6254, 0.3405, 0.2327**.

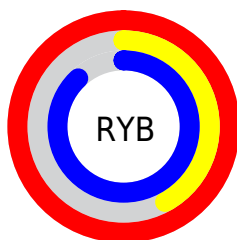
Distribution



Red (100%)

Green (42%)

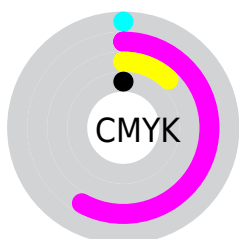
Blue (88%)



Red (100%)

Yellow (42%)

Blue (88%)

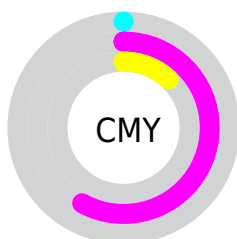


Cyan (0%)

Magenta (58%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2116, 0.3482, 0.2157 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 37.2116, 0.3482, 0.2157 by changing the saturation by 10% instead.

 37.2116, 0.3482,
0.2157


 37.2116, 0.3482,
0.2157


 334.2257, 0.3326,
0.2680


 25.3714, 0.3515,
0.2040


 70.8981, 0.3430,
0.2337


 16.3540, 0.3554,
0.1896


 93.5132, 0.3409,
0.2408


 9.7750, 0.3600,
0.1718


 120.4886, 0.3391,
0.2469

 5.2500, 0.3655,
0.1492

 152.2089, 0.3375,
0.2522

 2.3947, 0.3717,
0.1202

 189.0583, 0.3360,
0.2569

 0.8232, 0.3780,
0.0826


 231.4214, 0.3347,

 0.0000, 0.3950,


0.2610


0.0000


279.6824, 0.3336,
0.2647

 0.0000, 0.3210,
0.0000


 0.0000, 0.0000,
0.0000

 37.2116, 0.3482,
0.2157

 37.2116, 0.3482,
0.2157

 32.3767, 0.3562,
0.2020

 43.6254, 0.3405,
0.2327


 28.9731, 0.3643,
0.1924

 51.7376, 0.3334,
0.2518

 26.8347, 0.3722,
0.1875

 61.6627, 0.3269,
0.2722

 25.7343, 0.3798,
0.1872

 73.5032, 0.3212,
0.2929

 25.5744, 0.3813,
0.1874

 87.3543, 0.3162,
0.3133

99.9892, 0.3127,
0.3290

Harmonies

Analogous

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



37.2116, 0.2398, 0.1789



37.2116, 0.3482, 0.2157



37.2116, 0.4647, 0.2739

Triad

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



37.2116, 0.3482, 0.2157



37.2116, 0.4481, 0.4967



37.2116, 0.1349, 0.2536

Complementary

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



37.2116, 0.3482, 0.2157



76.4206, 0.2919, 0.4814

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.



37.2116, 0.1716, 0.3706



37.2116, 0.3482, 0.2157



37.2116, 0.3511, 0.5447

Square

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



37.2116, 0.3482, 0.2157



37.2116, 0.5180, 0.4189



37.2116, 0.2499, 0.5005



37.2116, 0.1354, 0.1900

Rectangle

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



37.2116, 0.3482, 0.2157



37.2116, 0.5172, 0.3194



37.2116, 0.2499, 0.5005



37.2116, 0.1426, 0.2868

Sweetspot

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



37.2134, 0.3482, 0.2157



74.8392, 0.3207, 0.2950



23.0336, 0.2182, 0.1497



15.4667, 0.3218, 0.2908



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.



37.2134, 0.3482, 0.2157



31.6035, 0.3578, 0.1997



34.0267, 0.4363, 0.2849



18.2336, 0.3169, 0.3102



13.3921, 0.3801, 0.1867



1.3192, 0.3720, 0.1823

Inverse Universe

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



37.2134, 0.3482, 0.2157



31.6035, 0.3578, 0.1997



79.2957, 0.2590, 0.3837



18.2336, 0.3169, 0.3102



13.3921, 0.3801, 0.1867



1.3192, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 37.2116, 0.3482, 0.2157 looks on a white background.

Color Contrast Check

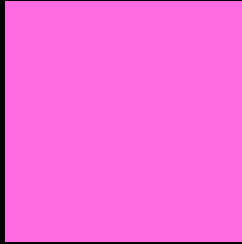
Large Text (above 18pt) WCAG AA × Fail

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 37.2116, 0.3482, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

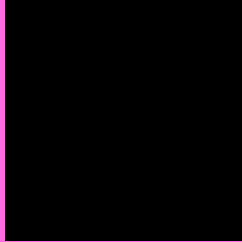
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2116, 0.3482, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 37.2116, 0.3482, 0.2157.



This preview shows how white text looks on a background with the Yxy color 37.2116, 0.3482, 0.2157.

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

37.2116, 0.3482, 0.2157

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.4739, 0.2622, 0.2568



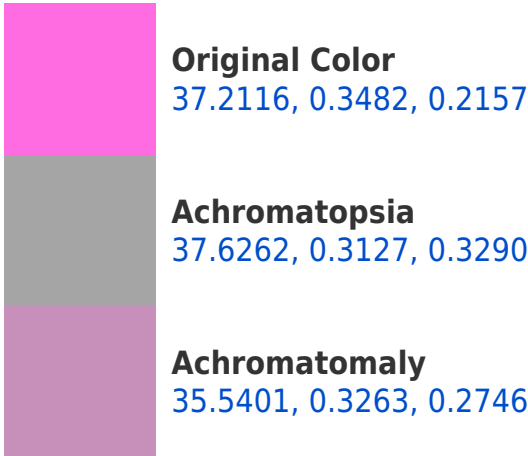
Tritanopia

37.1283, 0.4344, 0.3197

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2116, 0.3482, 0.2157 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, 107, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 225)  
}
```

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, 107, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 225) }
```

Border

The CSS property to change the border of an element to Yxy 37.2116, 0.3482, 0.2157 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, 107, 225) }
```

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

```
.border{ border-color:rgb(255, 107, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 107, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2116, 0.3482, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 225) }
```

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

```
.background{ background-color: rgb(255,  
107, 225) }
```

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