

Converting Colors

$Y_{xy}(40.8893, 0.3801, 0.2378)$

Have a look what the booklet for
Yxy(40.8893, 0.3801, 0.2378)
contains.

Yxy(37.5015, 0.3637, 0.2325)	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(37.5015, 0.3637, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	FF70D2
RGB	255, 112, 210
RGB Percent	100%, 44%, 82%
CMY	0.0001, 0.5607, 0.1764
CMYK	0.00, 0.56, 0.18, 0.00
HSL	319°, 100%, 72%
HSV	319°, 56%, 100%
XYZ	58.6636, 37.5015, 65.1316
YIQ	165.9290, 53.7700, 60.7940

Conversions

Conversions Part 2

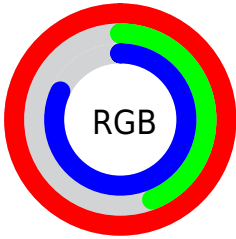
Format	Color
R _Y B	255, 112, 210
Decimal	16740562
CIE Lab	67.65, 65.14, -24.29
CIE LCh	68, 69.523, 339.552
Yxy	37.5015, 0.3637, 0.2325
Android (android.graphics.Color)	4294930642 (0xFFFF70D2)
YUV	165.9290, 21.7270, 78.1153
Hunter-Lab	61.2385, 63.8275, -20.1924

Details

The Yxy color **37.5015, 0.3637, 0.2325** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3879, 0.2851, 0.4547**, and the grayscale version is **37.9743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **16.5149, 0.3766, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **32.2600, 0.3767, 0.2199**, and if you desaturate by 10%, it is **44.3594, 0.3517, 0.2480**.

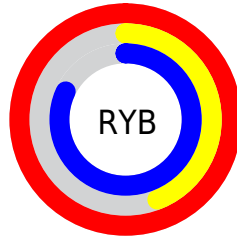
Distribution



Red (100%)

Green (44%)

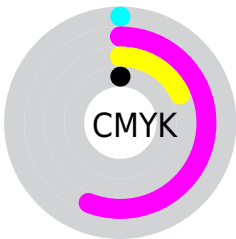
Blue (82%)



Red (100%)

Yellow (44%)

Blue (82%)

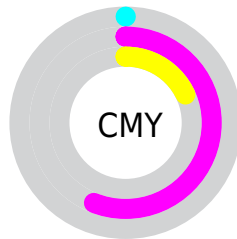


Cyan (0%)

Magenta (56%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5015, 0.3637, 0.2325 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 37.5015, 0.3637, 0.2325 by changing the saturation by 10% instead.


 37.5015, 0.3637,
0.2325


 37.5015, 0.3637,
0.2325


335.4767, 0.3394,
0.2780

 25.5960, 0.3694,
0.2220


 71.3434, 0.3552,
0.2484

 16.5217, 0.3764,
0.2090


 94.0487, 0.3519,
0.2546

 9.8940, 0.3854,
0.1926


 121.1226, 0.3491,
0.2599

 5.3288, 0.3972,
0.1713

152.9496, 0.3466,
0.2644

 2.4414, 0.4131,
0.1428

189.9142, 0.3445,
0.2685

 0.8471, 0.4356,
0.1040

232.4006, 0.3426,

 0.0000, 0.4933,

0.2720

0.0000

280.7933, 0.3409,
0.2752

■ 0.0000, 0.5812,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5015, 0.3637,
0.2325

■ 37.5015, 0.3637,
0.2325

■ 32.2600, 0.3767,
0.2199

■ 44.3594, 0.3517,
0.2480

■ 28.4907, 0.3903,
0.2112

■ 52.9508, 0.3409,
0.2652


■ 26.0332, 0.4040,
0.2074

■ 63.3880, 0.3315,
0.2832

■ 24.6862, 0.4173,
0.2087

■ 75.7725, 0.3233,
0.3013

 24.3433, 0.4225,
0.2101

 90.1983, 0.3164,
0.3188

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



37.5015, 0.2610, 0.1940



37.5015, 0.3637, 0.2325



37.5015, 0.4644, 0.2898

Triad

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



37.5015, 0.3637, 0.2325



37.5015, 0.4269, 0.4952



37.5015, 0.1460, 0.2489

Complementary

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



37.5015, 0.3637, 0.2325



77.3879, 0.2851, 0.4547

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.



37.5015, 0.1755, 0.3477



37.5015, 0.3637, 0.2325



37.5015, 0.3356, 0.5231

Square

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



37.5015, 0.3637, 0.2325



37.5015, 0.4949, 0.4282



37.5015, 0.2433, 0.4653



37.5015, 0.1511, 0.1960

Rectangle

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



37.5015, 0.3637, 0.2325



37.5015, 0.5052, 0.3338



37.5015, 0.2433, 0.4653



37.5015, 0.1517, 0.2768

Sweetspot

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



37.5033, 0.3637, 0.2325



74.5449, 0.3240, 0.2996



25.7710, 0.2324, 0.1604



15.3967, 0.3256, 0.2960



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.



37.5033, 0.3637, 0.2325



31.8536, 0.3779, 0.2189



34.7608, 0.4482, 0.3007



18.1974, 0.3186, 0.3128



12.7502, 0.4204, 0.2090



1.2612, 0.4062, 0.2011

Inverse Universe

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



37.5033, 0.3637, 0.2325



31.8536, 0.3779, 0.2189



80.4666, 0.2538, 0.3633



18.1974, 0.3186, 0.3128



12.7502, 0.4204, 0.2090



1.2612, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 37.5015, 0.3637, 0.2325 looks on a white background.

Color Contrast Check

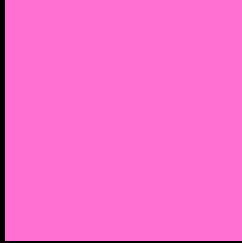
Large Text (above 18pt) WCAG AA × Fail

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 37.5015, 0.3637, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

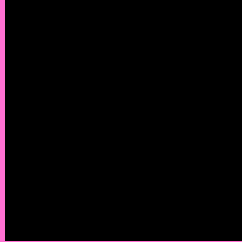
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5015, 0.3637, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 37.5015, 0.3637, 0.2325.

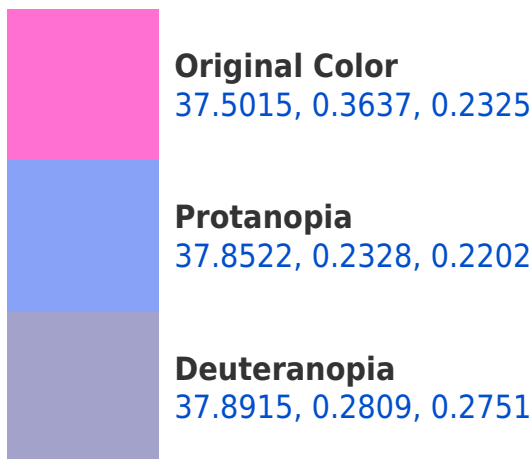


This preview shows how white text looks on a background with the Yxy color 37.5015, 0.3637, 0.2325.

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

37.4920, 0.4363, 0.3198

Trichromacy



Original Color

37.5015, 0.3637, 0.2325



Protanomaly

35.4707, 0.2692, 0.2199



Deuteranomaly

36.0901, 0.3076, 0.2537



Tritanomaly

37.3555, 0.4107, 0.2864

Monochromacy



Original Color

37.5015, 0.3637, 0.2325



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

35.9409, 0.3310, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5015, 0.3637, 0.2325 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, 112, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 210)  
}
```

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, 112, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 210) }
```

Border

The CSS property to change the border of an element to Yxy 37.5015, 0.3637, 0.2325 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, 112, 210) }
```

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

```
.border{ border-color:rgb(255, 112, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5015, 0.3637, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 210) }
```

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

```
.background{ background-color: rgb(255,  
112, 210) }
```

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