

Converting Colors

Yxy(37.4686, 0.3655, 0.2341)

Have a look what the booklet for
Yxy(37.4686, 0.3655, 0.2341)
contains.

Yxy(37.4024, 0.3660, 0.2343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4024, 0.3660, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	FF70D0
RGB	255, 112, 208
RGB Percent	100%, 44%, 82%
CMY	0.0000, 0.5608, 0.1844
CMYK	0.00, 0.56, 0.18, 0.00
HSL	320°, 100%, 72%
HSV	320°, 56%, 100%
XYZ	58.4263, 37.4024, 63.8060
YIQ	165.7010, 54.4120, 60.1720

Conversions

Conversions Part 2

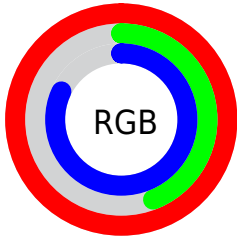
Format	Color
RYB	255, 112, 208
Decimal	16740560
CIELab	67.58, 64.89, -23.26
CIELCh	68, 68.930, 340.275
Yxy	37.4024, 0.3660, 0.2343
Android (android.graphics.Color)	4294930640 (0xFFFF70D0)
YUV	165.7010, 20.8534, 78.3152
Hunter-Lab	61.1575, 63.5028, -19.0473

Details

The Yxy color **37.4024, 0.3660, 0.2343** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.4668, 0.2842, 0.4521**, and the grayscale version is **37.8533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **16.4482, 0.3799, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **32.1449, 0.3796, 0.2219**, and if you desaturate by 10%, it is **44.2664, 0.3534, 0.2495**.

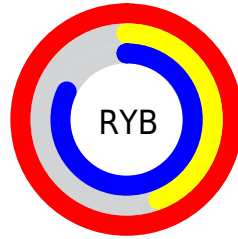
Distribution



Red (100%)

Green (44%)

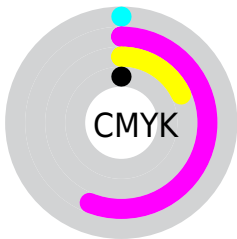
Blue (82%)



Red (100%)

Yellow (44%)

Blue (82%)

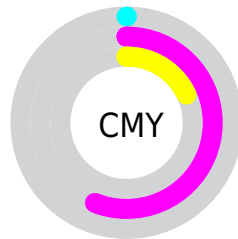


Cyan (0%)

Magenta (56%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4024, 0.3660, 0.2343 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 37.4024, 0.3660, 0.2343 by changing the saturation by 10% instead.


 37.4024, 0.3660,
0.2343

 37.4024, 0.3660,
0.2343


335.0494, 0.3405,
0.2791


 25.5192, 0.3720,
0.2239


 71.1912, 0.3570,
0.2500

 16.4643, 0.3795,
0.2111


 93.8657, 0.3535,
0.2560

 9.8533, 0.3891,
0.1948


 120.9060, 0.3506,
0.2613

 5.3018, 0.4018,
0.1736

152.6966, 0.3480,
0.2658

 2.4254, 0.4193,
0.1452

189.6218, 0.3458,
0.2697

 0.8389, 0.4442,
0.1061

232.0661, 0.3438,

 0.0000, 0.5080,

0.2732

0.0000

280.4138, 0.3420,
0.2763

■ 0.0000, 0.6819,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4024, 0.3660,
0.2343

■ 37.4024, 0.3660,
0.2343

■ 32.1449, 0.3796,
0.2219

■ 44.2664, 0.3534,
0.2495

■ 28.3672, 0.3940,
0.2135


■ 52.8716, 0.3421,
0.2664

■ 25.9030, 0.4085,
0.2100

■ 63.3247, 0.3322,
0.2841

■ 24.5506, 0.4226,
0.2116

■ 75.7271, 0.3238,
0.3018

 24.2070, 0.4281,
0.2132

 90.1729, 0.3165,
0.3190

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.



37.4024, 0.2635, 0.1954



37.4024, 0.3660, 0.2343



37.4024, 0.4652, 0.2917

Triad

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



37.4024, 0.3660, 0.2343



37.4024, 0.4244, 0.4956



37.4024, 0.1467, 0.2478

Complementary

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



37.4024, 0.3660, 0.2343



77.4668, 0.2842, 0.4521

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.



37.4024, 0.1753, 0.3448



37.4024, 0.3660, 0.2343



37.4024, 0.3334, 0.5213

Square

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



37.4024, 0.3660, 0.2343



37.4024, 0.4927, 0.4296



37.4024, 0.2419, 0.4617



37.4024, 0.1526, 0.1961

Rectangle

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



37.4024, 0.3660, 0.2343



37.4024, 0.5047, 0.3356



37.4024, 0.2419, 0.4617



37.4024, 0.1521, 0.2751

Sweetspot

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



37.3984, 0.3660, 0.2343



74.5081, 0.3245, 0.3002



26.0005, 0.2342, 0.1611



15.3880, 0.3261, 0.2967



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.



37.3984, 0.3660, 0.2343



31.7399, 0.3809, 0.2210



34.6858, 0.4513, 0.3032



18.1928, 0.3189, 0.3132



12.6774, 0.4259, 0.2120



1.2545, 0.4108, 0.2037

Inverse Universe

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



37.3984, 0.3660, 0.2343



31.7399, 0.3809, 0.2210



80.6086, 0.2528, 0.3603



18.1928, 0.3189, 0.3132



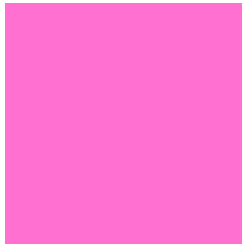
12.6774, 0.4259, 0.2120



1.2545, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 37.4024, 0.3660, 0.2343 looks on a white background.

Color Contrast Check

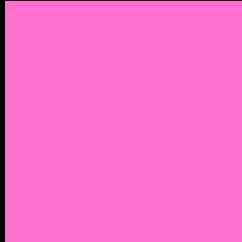
Large Text (above 18pt) WCAG AA × Fail

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 37.4024, 0.3660, 0.2343 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 37.4024, 0.3660, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 37.4024, 0.3660, 0.2343.

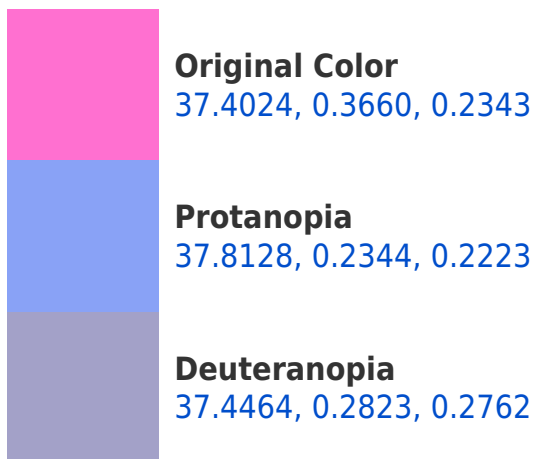


This preview shows how white text looks on a background with the Yxy color 37.4024, 0.3660, 0.2343.

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

37.2009, 0.4380, 0.3198

Trichromacy



Original Color

37.4024, 0.3660, 0.2343



Protanomaly

35.4760, 0.2714, 0.2221



Deuteranomaly

35.6925, 0.3094, 0.2546



Tritanomaly

37.0726, 0.4123, 0.2865

Monochromacy



Original Color

37.4024, 0.3660, 0.2343



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

35.8997, 0.3320, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4024, 0.3660, 0.2343 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 208) }
```

Border

The CSS property to change the border of an element to Yxy 37.4024, 0.3660, 0.2343 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, 208) }
```

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

```
.border{ border-color:rgb(255, 112, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4024, 0.3660, 0.2343 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
112, 208) }
```

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