

Converting Colors

$Y_{xy}(47.8221, 0.3947, 0.2420)$

Have a look what the booklet for
Yxy(47.8221, 0.3947, 0.2420)
contains.

Yxy(38.6359, 0.3537, 0.2271)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6359, 0.3537, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	FF73DB
RGB	255, 115, 219
RGB Percent	100%, 45%, 86%
CMY	0.0000, 0.5492, 0.1411
CMYK	0.00, 0.55, 0.14, 0.00
HSL	315°, 100%, 73%
HSV	315°, 55%, 100%
XYZ	60.1740, 38.6359, 71.3173
YIQ	168.7160, 50.0560, 62.0240

Conversions

Conversions Part 2

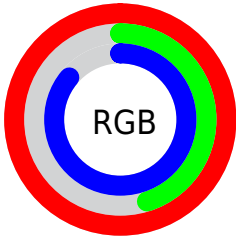
Format	Color
R _Y B	255, 115, 219
Decimal	16741339
CIE Lab	68.49, 65.17, -28.02
CIE LCh	68, 70.936, 336.731
Yxy	38.6359, 0.3537, 0.2271
Android (android.graphics.Color)	4294931419 (0xFFFF73DB)
YUV	168.7160, 24.7900, 75.6711
Hunter-Lab	62.1578, 64.0270, -24.5165

Details

The Yxy color **38.6359, 0.3537, 0.2271** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3942, 0.2891, 0.4622**, and the grayscale version is **39.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **17.1108, 0.3622, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **33.2582, 0.3639, 0.2131**, and if you desaturate by 10%, it is **45.6174, 0.3441, 0.2439**.

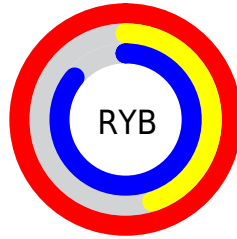
Distribution



Red (100%)

Green (45%)

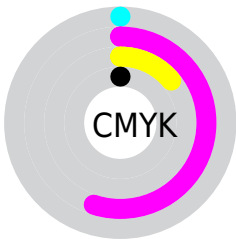
Blue (86%)



Red (100%)

Yellow (45%)

Blue (86%)

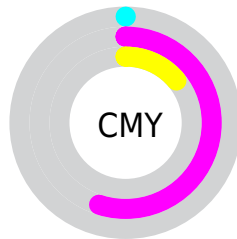


Cyan (0%)

Magenta (55%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6359, 0.3537, 0.2271 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 38.6359, 0.3537, 0.2271 by changing the saturation by 10% instead.


 38.6359, 0.3537,
0.2271


 38.6359, 0.3537,
0.2271


340.3400, 0.3349,
0.2746


 26.4766, 0.3579,
0.2163


 73.0818, 0.3472,
0.2436

 17.1805, 0.3630,
0.2030


 96.1371, 0.3447,
0.2500

 10.3633, 0.3694,
0.1864

 123.5933, 0.3425,
0.2555

 5.6405, 0.3774,
0.1651

155.8346, 0.3406,
0.2603

 2.6277, 0.3877,
0.1371

193.2456, 0.3389,
0.2645

 0.9406, 0.4007,
0.0996

236.2106, 0.3374,

 0.0000, 0.4381,

0.2683

0.0000

285.1139, 0.3361,
0.2716

■ 0.0000, 0.3990,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6359, 0.3537,
0.2271

■ 38.6359, 0.3537,
0.2271

■ 33.2582, 0.3639,
0.2131

■ 45.6174, 0.3441,
0.2439

■ 29.3741, 0.3745,
0.2030

■ 54.3499, 0.3354,
0.2625

■ 26.8162, 0.3851,
0.1975

■ 64.9339, 0.3277,
0.2818

■ 25.3887, 0.3955,
0.1969

■ 77.4698, 0.3210,
0.3012

■ 24.9553, 0.4006,
0.1980

■ 92.0506, 0.3152,
0.3200

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.



38.6359, 0.2520, 0.1905



38.6359, 0.3537, 0.2271



38.6359, 0.4579, 0.2834

Triad

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



38.6359, 0.3537, 0.2271



38.6359, 0.4354, 0.4910



38.6359, 0.1459, 0.2554

Complementary

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



38.6359, 0.3537, 0.2271



77.3942, 0.2891, 0.4622

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.



38.6359, 0.1791, 0.3591



38.6359, 0.3537, 0.2271



38.6359, 0.3446, 0.5257

Square

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



38.6359, 0.3537, 0.2271



38.6359, 0.5007, 0.4218



38.6359, 0.2506, 0.4763



38.6359, 0.1481, 0.1981

Rectangle

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



38.6359, 0.3537, 0.2271



38.6359, 0.5031, 0.3272



38.6359, 0.2506, 0.4763



38.6359, 0.1527, 0.2850

Sweetspot

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



38.6271, 0.3536, 0.2271



76.0176, 0.3217, 0.2991



25.9525, 0.2291, 0.1618



15.6931, 0.3230, 0.2952



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.



38.6271, 0.3536, 0.2271



32.7693, 0.3650, 0.2118



35.7125, 0.4350, 0.2939



18.2160, 0.3178, 0.3115



13.0652, 0.3990, 0.1972



1.2899, 0.3881, 0.1911

Inverse Universe

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



38.6271, 0.3536, 0.2271



32.7693, 0.3650, 0.2118



80.3286, 0.2577, 0.3713



18.2160, 0.3178, 0.3115



13.0652, 0.3990, 0.1972



1.2899, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 38.6359, 0.3537, 0.2271 looks on a white background.

Color Contrast Check

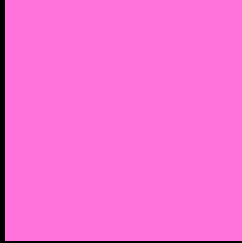
Large Text (above 18pt) WCAG AA × Fail

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 38.6359, 0.3537, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

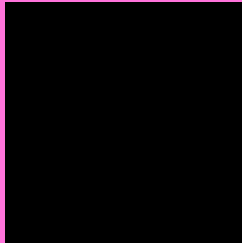
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6359, 0.3537, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 38.6359, 0.3537, 0.2271.

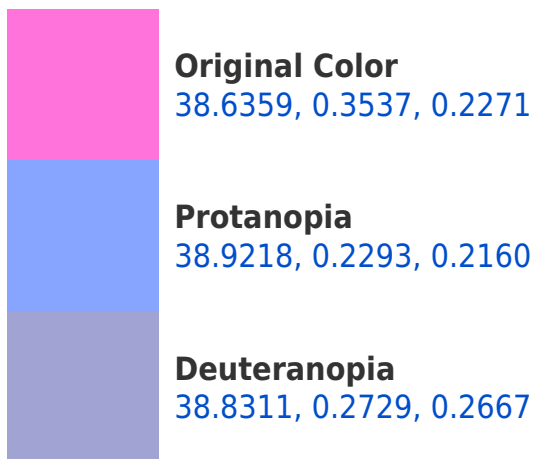


This preview shows how white text looks on a background with the Yxy color 38.6359, 0.3537, 0.2271.

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

38.5324, 0.4275, 0.3186

Trichromacy



Original Color

38.6359, 0.3537, 0.2271



Protanomaly

36.5523, 0.2639, 0.2148



Deuteranomaly

37.0149, 0.2988, 0.2462



Tritanomaly

38.1860, 0.4004, 0.2819

Monochromacy



Original Color

38.6359, 0.3537, 0.2271



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.3621, 0.3278, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6359, 0.3537, 0.2271 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, 115, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 219)  
}
```

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, 115, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.6359, 0.3537, 0.2271 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, 115, 219) }
```

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

```
.border{ border-color:rgb(255, 115, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6359, 0.3537, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 219) }
```

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

```
.background{ background-color: rgb(255,  
115, 219) }
```

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