

Converting Colors

Yxy(38.5925, 0.3641, 0.2377)

Have a look what the booklet for
Yxy(38.5925, 0.3641, 0.2377)
contains.

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Color

Yxy(38.5860, 0.3641, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	FF75D1
RGB	255, 117, 209
RGB Percent	100%, 46%, 82%
CMY	0.0000, 0.5411, 0.1805
CMYK	0.00, 0.54, 0.18, 0.00
HSL	320°, 100%, 73%
HSV	320°, 54%, 100%
XYZ	59.1046, 38.5860, 64.6401
YIQ	168.7500, 52.7160, 57.8680

Conversions

Conversions Part 2

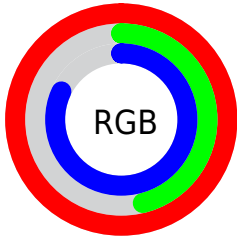
Format	Color
R_{YB}	255, 117, 209
Decimal	16741841
CIE _{Lab}	68.45, 62.76, -22.49
CIE _{LCh}	68, 66.670, 340.289
Yxy	38.5860, 0.3641, 0.2377
Android (android.graphics.Color)	4294931921 (0xFFFF75D1)
YUV	168.7500, 19.8433, 75.6413
Hunter-Lab	62.1176, 61.1360, -18.2153

Details

The Yxy color **38.5860, 0.3641, 0.2377** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.9420, 0.2845, 0.4460**, and the grayscale version is **39.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **17.0631, 0.3773, 0.2153** is the 20% darker color. If you saturate the color by 10%, you get **33.0221, 0.3778, 0.2248**, and if you desaturate by 10%, it is **45.7940, 0.3516, 0.2532**.

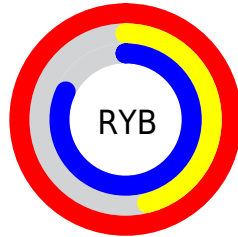
Distribution



Red (100%)

Green (46%)

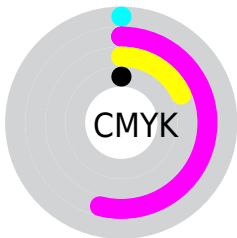
Blue (82%)



Red (100%)

Yellow (46%)

Blue (82%)

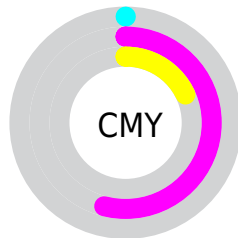


Cyan (0%)

Magenta (54%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (54%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5860, 0.3641, 0.2377 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 38.5860, 0.3641, 0.2377 by changing the saturation by 10% instead.


 38.5860, 0.3641,
0.2377


 38.5860, 0.3641,
0.2377


340.1271, 0.3395,
0.2808


 26.4378, 0.3699,
0.2277

 73.0054, 0.3554,
0.2528

 17.1515, 0.3771,
0.2153


 96.0455, 0.3521,
0.2586

 10.3425, 0.3863,
0.1997


 123.4849, 0.3492,
0.2636

 5.6267, 0.3986,
0.1792

155.7082, 0.3468,
0.2680

 2.6194, 0.4153,
0.1518

193.0996, 0.3446,
0.2718

 0.9364, 0.4394,
0.1138

236.0437, 0.3427,

 0.0000, 0.5064,

0.2752

0.0000

284.9247, 0.3410,
0.2782

■ 0.0000, 0.6378,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5860, 0.3641,
0.2377

■ 38.5860, 0.3641,
0.2377

■ 33.0221, 0.3778,
0.2248

■ 45.7940, 0.3516,
0.2532

■ 28.9616, 0.3923,
0.2156

■ 54.7605, 0.3404,
0.2703

■ 26.2496, 0.4071,
0.2112

■ 65.5960, 0.3307,
0.2879

■ 24.6941, 0.4216,
0.2119

■ 78.4004, 0.3223,
0.3054

■ 24.1585, 0.4300,
0.2142

■ 93.2666, 0.3153,
0.3223

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



38.5860, 0.2657, 0.1998



38.5860, 0.3641, 0.2377



38.5860, 0.4588, 0.2936

Triad

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



38.5860, 0.3641, 0.2377



38.5860, 0.4215, 0.4900



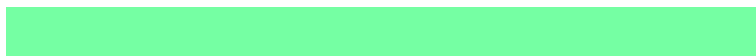
38.5860, 0.1522, 0.2515

Complementary

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



38.5860, 0.3641, 0.2377



77.9420, 0.2845, 0.4460

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.



38.5860, 0.1804, 0.3446



38.5860, 0.3641, 0.2377



38.5860, 0.3337, 0.5125

Square

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



38.5860, 0.3641, 0.2377



38.5860, 0.4866, 0.4277



38.5860, 0.2452, 0.4552



38.5860, 0.1578, 0.2010

Rectangle

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



38.5860, 0.3641, 0.2377



38.5860, 0.4968, 0.3365



38.5860, 0.2452, 0.4552



38.5860, 0.1576, 0.2779

Sweetspot

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



38.5879, 0.3641, 0.2377



75.8289, 0.3238, 0.3021



27.7345, 0.2393, 0.1680



15.6479, 0.3255, 0.2985



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.



38.5879, 0.3641, 0.2377



32.6037, 0.3791, 0.2238



35.8794, 0.4465, 0.3061



18.1913, 0.3189, 0.3133



12.6534, 0.4277, 0.2130



1.2523, 0.4124, 0.2045

Inverse Universe

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



38.5879, 0.3641, 0.2377



32.6037, 0.3791, 0.2238



81.1224, 0.2532, 0.3562



18.1913, 0.3189, 0.3133



12.6534, 0.4277, 0.2130



1.2523, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 38.5860, 0.3641, 0.2377 looks on a white background.

Color Contrast Check

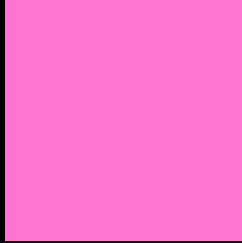
Large Text (above 18pt) WCAG AA × Fail

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 38.5860, 0.3641, 0.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

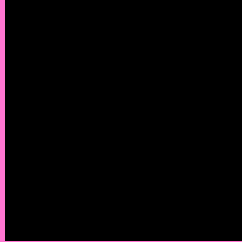
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5860, 0.3641, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 38.5860, 0.3641, 0.2377.



This preview shows how white text looks on a background with the Yxy color 38.5860, 0.3641, 0.2377.

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

38.5860, 0.3641, 0.2377

Protanopia

39.1656, 0.2381, 0.2279

Deuteranopia

38.9835, 0.2851, 0.2796



Tritanopia

38.4120, 0.4301, 0.3187

Trichromacy



Original Color

38.5860, 0.3641, 0.2377



Protanomaly

36.9511, 0.2735, 0.2273



Deuteranomaly

37.3692, 0.3112, 0.2591



Tritanomaly

38.4411, 0.4069, 0.2883

Monochromacy



Original Color

38.5860, 0.3641, 0.2377



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.5527, 0.3305, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5860, 0.3641, 0.2377 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, 117, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 209)  
}
```

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, 117, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 209) }
```

Border

The CSS property to change the border of an element to Yxy 38.5860, 0.3641, 0.2377 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, 117, 209) }
```

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

```
.border{ border-color:rgb(255, 117, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 209); box-shadow:4px 4px 4px 4px rgb(255, 117, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5860, 0.3641, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 209) }
```

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

```
.background{ background-color: rgb(255,  
117, 209) }
```

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](#).

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