

Converting Colors

$Y_{xy}(47.5346, 0.4058, 0.2478)$

Have a look what the booklet for
Yxy(47.5346, 0.4058, 0.2478)
contains.

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Color

Yxy(37.7734, 0.3625, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	FF71D3
RGB	255, 113, 211
RGB Percent	100%, 44%, 83%
CMY	0.0001, 0.5567, 0.1726
CMYK	0.00, 0.56, 0.17, 0.00
HSL	319°, 100%, 72%
HSV	319°, 56%, 100%
XYZ	58.8940, 37.7734, 65.7988
YIQ	166.6300, 53.1740, 60.5820

Conversions

Conversions Part 2

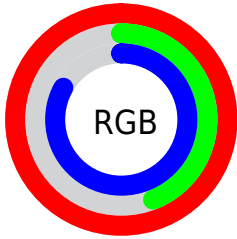
Format	Color
R_{YB}	255, 113, 211
Decimal	16740819
CIE _{Lab}	67.85, 64.83, -24.51
CIE _{LCh}	68, 69.310, 339.286
Yxy	37.7734, 0.3625, 0.2325
Android (android.graphics.Color)	4294930899 (0xFFFF71D3)
YUV	166.6300, 21.8744, 77.5005
Hunter-Lab	61.4601, 63.4922, -20.4535

Details

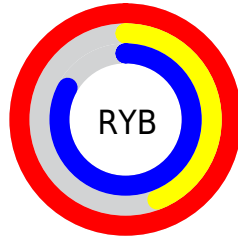
The Yxy color **37.7734, 0.3625, 0.2325** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.4536, 0.2855, 0.4545**, and the grayscale version is **38.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **16.6407, 0.3749, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **32.4743, 0.3752, 0.2197**, and if you desaturate by 10%, it is **44.6935, 0.3507, 0.2482**.

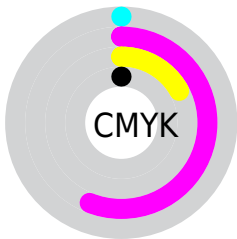
Distribution



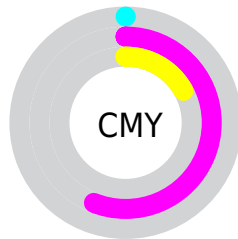
- Red (100%)
- Green (44%)
- Blue (83%)



- Red (100%)
- Yellow (44%)
- Blue (83%)



- Cyan (0%)
- Magenta (56%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7734, 0.3625, 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 37.7734, 0.3625, 0.2325 by changing the saturation by 10% instead.


 37.7734, 0.3625,
0.2325


 37.7734, 0.3625,
0.2325


336.6469, 0.3389,
0.2780


 25.8069, 0.3680,
0.2220


 71.7607, 0.3542,
0.2484

 16.6792, 0.3748,
0.2091


 94.5502, 0.3510,
0.2545

 10.0060, 0.3835,
0.1927


 121.7162, 0.3483,
0.2598

 5.4030, 0.3948,
0.1715

153.6431, 0.3459,
0.2644

 2.4856, 0.4102,
0.1432

190.7152, 0.3438,
0.2684

 0.8694, 0.4316,
0.1047

233.3169, 0.3420,

 0.0000, 0.4877,

0.2720

0.0000

281.8327, 0.3403,
0.2751

■ 0.0000, 0.5494,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7734, 0.3625,
0.2325

■ 37.7734, 0.3625,
0.2325

■ 32.4743, 0.3752,
0.2197

■ 44.6935, 0.3507,
0.2482

■ 28.6527, 0.3886,
0.2108

■ 53.3509, 0.3402,
0.2655

■ 26.1495, 0.4020,
0.2066

■ 63.8578, 0.3309,
0.2837

■ 24.7652, 0.4151,
0.2076

■ 76.3151, 0.3229,
0.3018

■ 24.3877, 0.4207,
0.2091

■ 90.8167, 0.3161,
0.3194

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



37.7734, 0.2604, 0.1943



37.7734, 0.3625, 0.2325



37.7734, 0.4629, 0.2895

Triad

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



37.7734, 0.3625, 0.2325



37.7734, 0.4273, 0.4940



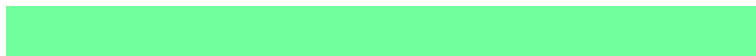
37.7734, 0.1468, 0.2501

Complementary

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



37.7734, 0.3625, 0.2325



77.4536, 0.2855, 0.4545

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.



37.7734, 0.1766, 0.3487



37.7734, 0.3625, 0.2325



37.7734, 0.3365, 0.5221

Square

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



37.7734, 0.3625, 0.2325



37.7734, 0.4946, 0.4273



37.7734, 0.2444, 0.4654



37.7734, 0.1516, 0.1969

Rectangle

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



37.7734, 0.3625, 0.2325



37.7734, 0.5039, 0.3333



37.7734, 0.2444, 0.4654



37.7734, 0.1526, 0.2780

Sweetspot

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



37.7752, 0.3625, 0.2325



74.5567, 0.3239, 0.2994



26.0659, 0.2331, 0.1616



15.3995, 0.3254, 0.2958



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.



37.7752, 0.3625, 0.2325



31.8901, 0.3770, 0.2182



35.0090, 0.4467, 0.3008



18.1989, 0.3186, 0.3127



12.7738, 0.4187, 0.2080



1.2634, 0.4047, 0.2003

Inverse Universe

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



37.7752, 0.3625, 0.2325



31.8901, 0.3770, 0.2182



80.5415, 0.2541, 0.3630



18.1989, 0.3186, 0.3127



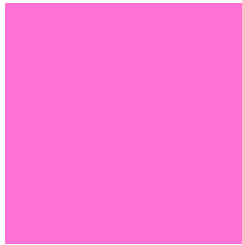
12.7738, 0.4187, 0.2080



1.2634, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 37.7734, 0.3625, 0.2325 looks on a white background.

Color Contrast Check

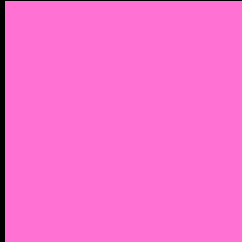
Large Text (above 18pt) WCAG AA × Fail

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 37.7734, 0.3625, 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 37.7734, 0.3625, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 37.7734, 0.3625, 0.2325.



This preview shows how white text looks on a background with the Yxy color 37.7734, 0.3625, 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



Original Color

37.7734, 0.3625, 0.2325

Protanopia

38.2682, 0.2326, 0.2206

Deuteranopia

37.9390, 0.2801, 0.2739



Tritanopia

37.7858, 0.4346, 0.3198

Trichromacy



Original Color

37.7734, 0.3625, 0.2325



Protanomaly

35.8327, 0.2686, 0.2202



Deuteranomaly

36.1385, 0.3067, 0.2526



Tritanomaly

37.6411, 0.4091, 0.2863

Monochromacy



Original Color

37.7734, 0.3625, 0.2325



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.4284, 0.3309, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7734, 0.3625, 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, 113, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 211)  
}
```

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, 113, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 211) }
```

Border

The CSS property to change the border of an element to Yxy 37.7734, 0.3625, 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, 113, 211) }
```

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

```
.border{ border-color:rgb(255, 113, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7734, 0.3625, 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, 113, 211) }
```

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

```
.background{ background-color: rgb(255,  
113, 211) }
```

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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