

Converting Colors

$Y_{xy}(37.6983, 0.3430, 0.2124)$

Have a look what the booklet for
Yxy(37.6983, 0.3430, 0.2124)
contains.

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Color

Yxy(37.6983, 0.3430, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	FF6CE6
RGB	255, 108, 230
RGB Percent	100%, 42%, 90%
CMY	0.0001, 0.5764, 0.0981
CMYK	0.00, 0.58, 0.10, 0.00
HSL	310°, 100%, 71%
HSV	310°, 58%, 100%
XYZ	60.8781, 37.6983, 78.9108
YIQ	165.8610, 48.4500, 69.1060

Conversions

Conversions Part 2

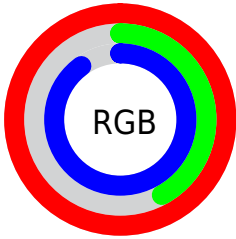
Format	Color
R _Y B	255, 108, 230
Decimal	16739558
CIE _{Lab}	67.80, 69.80, -35.17
CIE _{LCh}	68, 78.163, 333.260
Y _{xy}	37.6983, 0.3430, 0.2124
Android (android.graphics.Color)	4294929638 (0xFFFF6CE6)
Y _{UV}	165.8610, 31.6205, 78.1749
Hunter-Lab	61.3989, 69.5378, -33.2211

Details

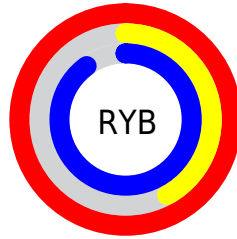
The Yxy color **37.6983, 0.3430, 0.2124** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.3952, 0.2940, 0.4863**, and the grayscale version is **37.8939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.6121, 0.3483, 0.1859** is the 20% darker color. If you saturate the color by 10%, you get **32.8430, 0.3497, 0.1981**, and if you desaturate by 10%, it is **44.1356, 0.3366, 0.2300**.

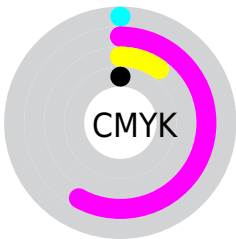
Distribution



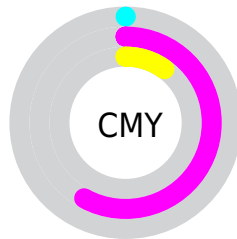
- Red (100%)
- Green (42%)
- Blue (90%)



- Red (100%)
- Yellow (42%)
- Blue (90%)



- Cyan (0%)
- Magenta (58%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6983, 0.3430, 0.2124 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 37.6983, 0.3430, 0.2124 by changing the saturation by 10% instead.


 37.6983, 0.3430,
0.2124


 37.6983, 0.3430,
0.2124


336.3240, 0.3302,
0.2659

 25.7486, 0.3456,
0.2005


 71.6455, 0.3388,
0.2308

 16.6357, 0.3485,
0.1860


 94.4118, 0.3371,
0.2380

 9.9751, 0.3518,
0.1681


 121.5524, 0.3356,
0.2442

 5.3824, 0.3555,
0.1455

153.4517, 0.3343,
0.2496

 2.4734, 0.3591,
0.1167

190.4941, 0.3331,
0.2544

 0.8632, 0.3613,
0.0801

233.0640, 0.3320,

 0.0000, 0.3707,

0.2587

0.0000

281.5459, 0.3311,
0.2625

■ 0.0000, 0.2983,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6983, 0.3430,
0.2124

■ 37.6983, 0.3430,
0.2124

■ 32.8430, 0.3497,
0.1981

■ 44.1356, 0.3366,
0.2300

■ 29.4227, 0.3563,
0.1879


■ 52.2739, 0.3305,
0.2498


■ 27.2726, 0.3628,
0.1824

■ 62.2271, 0.3250,
0.2708

■ 26.1728, 0.3689,
0.1813

■ 74.0976, 0.3200,
0.2923

 25.9899, 0.3703,
0.1814

 87.9804, 0.3156,
0.3134

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



37.6983, 0.2348, 0.1765



37.6983, 0.3430, 0.2124



37.6983, 0.4619, 0.2702

Triad

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



37.6983, 0.3430, 0.2124



37.6983, 0.4530, 0.4946



37.6983, 0.1340, 0.2567

Complementary

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



37.6983, 0.3430, 0.2124



76.3952, 0.2940, 0.4863

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.



37.6983, 0.1728, 0.3773



37.6983, 0.3430, 0.2124



37.6983, 0.3556, 0.5466

Square

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



37.6983, 0.3430, 0.2124



37.6983, 0.5220, 0.4156



37.6983, 0.2532, 0.5075



37.6983, 0.1331, 0.1904

Rectangle

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



37.6983, 0.3430, 0.2124



37.6983, 0.5171, 0.3158



37.6983, 0.2532, 0.5075



37.6983, 0.1423, 0.2911

Sweetspot

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



37.7001, 0.3430, 0.2124



74.9260, 0.3197, 0.2936



22.8979, 0.2155, 0.1495



15.4873, 0.3207, 0.2893



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.



37.7001, 0.3430, 0.2124



32.2984, 0.3506, 0.1965



34.4232, 0.4288, 0.2801



18.2442, 0.3164, 0.3095



13.6016, 0.3694, 0.1809



1.3377, 0.3629, 0.1773

Inverse Universe

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



37.7001, 0.3430, 0.2124



32.2984, 0.3506, 0.1965



79.1568, 0.2613, 0.3897



18.2442, 0.3164, 0.3095



13.6016, 0.3694, 0.1809



1.3377, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 37.6983, 0.3430, 0.2124 looks on a white background.

Color Contrast Check

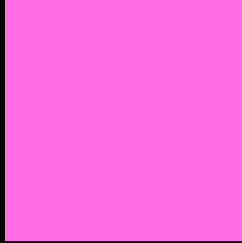
Large Text (above 18pt) WCAG AA × Fail

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 37.6983, 0.3430, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

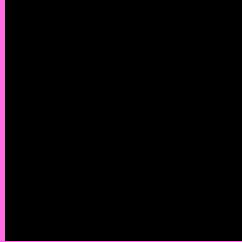
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6983, 0.3430, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 37.6983, 0.3430, 0.2124.



This preview shows how white text looks on a background with the Yxy color 37.6983, 0.3430, 0.2124.

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

37.6983, 0.3430, 0.2124

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

37.9942, 0.2584, 0.2523



Tritanopia

37.5385, 0.4301, 0.3196

Trichromacy



Original Color

37.6983, 0.3430, 0.2124



Protanomaly

35.5288, 0.2585, 0.2070



Deuteranomaly

35.8456, 0.2852, 0.2309



Tritanomaly

37.3228, 0.3979, 0.2766

Monochromacy



Original Color

37.6983, 0.3430, 0.2124



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

35.9307, 0.3243, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6983, 0.3430, 0.2124 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, 108, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 230)  
}
```

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, 108, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 230) }
```

Border

The CSS property to change the border of an element to Yxy 37.6983, 0.3430, 0.2124 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, 108, 230) }
```

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

```
.border{ border-color:rgb(255, 108, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6983, 0.3430, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 230) }
```

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

```
.background{ background-color: rgb(255,  
108, 230) }
```

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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