

Converting Colors

$Y_{xy}(49.3695, 0.4265, 0.2476)$

Have a look what the booklet for
Yxy(49.3695, 0.4265, 0.2476)
contains.

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Color

Yxy(35.1214, 0.3676, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	FF65D0
RGB	255, 101, 208
RGB Percent	100%, 40%, 82%
CMY	0.0000, 0.6039, 0.1844
CMYK	0.00, 0.60, 0.18, 0.00
HSL	318°, 100%, 70%
HSV	318°, 60%, 100%
XYZ	57.2787, 35.1214, 63.4180
YIQ	159.2440, 57.4370, 65.9250

Conversions

Conversions Part 2

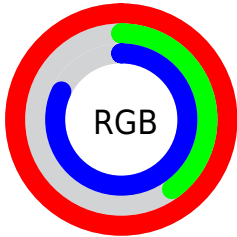
Format	Color
R _Y B	255, 101, 208
Decimal	16737744
CIE Lab	65.84, 69.56, -25.92
CIE LCh	66, 74.232, 339.566
Yxy	35.1214, 0.3676, 0.2254
Android (android.graphics.Color)	4294927824 (0xFFFF65D0)
YUV	159.2440, 24.0367, 83.9780
Hunter-Lab	59.2633, 68.8117, -21.9622

Details

The Yxy color **35.1214, 0.3676, 0.2254** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.4261, 0.2847, 0.4682**, and the grayscale version is **34.6563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **15.1638, 0.3821, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **30.5399, 0.3804, 0.2142**, and if you desaturate by 10%, it is **41.2569, 0.3555, 0.2400**.

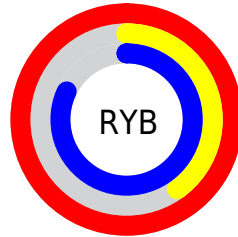
Distribution



Red (100%)

Green (40%)

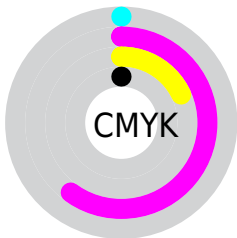
Blue (82%)



Red (100%)

Yellow (40%)

Blue (82%)

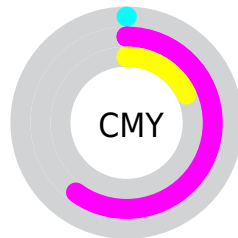


Cyan (0%)

Magenta (60%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1214, 0.3676, 0.2254 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 35.1214, 0.3676, 0.2254 by changing the saturation by 10% instead.


 35.1214, 0.3676,
0.2254


 35.1214, 0.3676,
0.2254


325.1039, 0.3414,
0.2744


 23.7564, 0.3737,
0.2141


 67.6738, 0.3584,
0.2425

 15.1530, 0.3814,
0.2001


 89.6300, 0.3548,
0.2492

 8.9269, 0.3911,
0.1825


 115.8854, 0.3518,
0.2548

 4.6935, 0.4038,
0.1597

 146.8243, 0.3491,
0.2598

 2.0686, 0.4209,
0.1295

182.8313, 0.3468,
0.2641

 0.6469, 0.4460,
0.0865

224.2906, 0.3448,

 0.0000, 0.4963,

0.2679

0.0000

271.5866, 0.3430,
0.2713

■ 0.0000, 0.6642,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.1214, 0.3676,
0.2254

■ 35.1214, 0.3676,
0.2254

■ 30.5399, 0.3804,
0.2142

■ 41.2569, 0.3555,
0.2400

■ 27.3653, 0.3936,
0.2074


■ 49.0757, 0.3446,
0.2568

■ 25.4208, 0.4067,
0.2056

■ 58.6929, 0.3348,
0.2747

■ 24.4395, 0.4189,
0.2081

■ 70.2138, 0.3264,
0.2930

 83.7353, 0.3191,
0.3111

99.3477, 0.3129,
0.3283

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.



35.1214, 0.2562, 0.1849



35.1214, 0.3676, 0.2254



35.1214, 0.4780, 0.2856

Triad

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



35.1214, 0.3676, 0.2254



35.1214, 0.4324, 0.5062



35.1214, 0.1347, 0.2410

Complementary

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



35.1214, 0.3676, 0.2254



76.4261, 0.2847, 0.4682

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.



35.1214, 0.1647, 0.3480



35.1214, 0.3676, 0.2254



35.1214, 0.3344, 0.5417

Square

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



35.1214, 0.3676, 0.2254



35.1214, 0.5073, 0.4315



35.1214, 0.2360, 0.4798



35.1214, 0.1405, 0.1859

Rectangle

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



35.1214, 0.3676, 0.2254



35.1214, 0.5218, 0.3316



35.1214, 0.2360, 0.4798



35.1214, 0.1403, 0.2707

Sweetspot

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



35.1213, 0.3676, 0.2254



73.2599, 0.3245, 0.2974



22.7504, 0.2248, 0.1471



14.8900, 0.3268, 0.2921



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.



35.1213, 0.3676, 0.2254



29.9380, 0.3825, 0.2128



32.2291, 0.4650, 0.2995



18.2003, 0.3185, 0.3126



12.7981, 0.4169, 0.2070



1.2656, 0.4032, 0.1995

Inverse Universe

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



35.1213, 0.3676, 0.2254



29.9380, 0.3825, 0.2128



79.6798, 0.2511, 0.3664



18.2003, 0.3185, 0.3126



12.7981, 0.4169, 0.2070



1.2656, 0.4032, 0.1995

Previews

White Background



This preview shows how the Yxy color 35.1214, 0.3676, 0.2254 looks on a white background.

Color Contrast Check

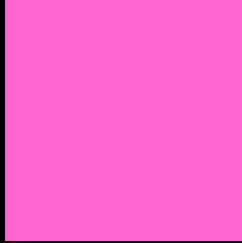
Large Text (above 18pt) WCAG AA × Fail

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 35.1214, 0.3676, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

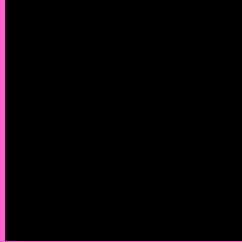
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1214, 0.3676, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 35.1214, 0.3676, 0.2254.



This preview shows how white text looks on a background with the Yxy color 35.1214, 0.3676, 0.2254.

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

35.1214, 0.3676, 0.2254

Protanopia

35.5022, 0.2233, 0.2082

Deuteranopia

35.3054, 0.2768, 0.2709



Tritanopia

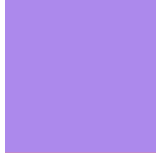
35.0339, 0.4504, 0.3210

Trichromacy



Original Color

35.1214, 0.3676, 0.2254



Protanomaly

32.7181, 0.2612, 0.2080



Deuteranomaly

33.3621, 0.3066, 0.2474



Tritanomaly

34.8272, 0.4203, 0.2836

Monochromacy



Original Color

35.1214, 0.3676, 0.2254



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.8206, 0.3329, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1214, 0.3676, 0.2254 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, 101, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 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, 101, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 208) }
```

Border

The CSS property to change the border of an element to Yxy 35.1214, 0.3676, 0.2254 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, 101, 208) }
```

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

```
.border{ border-color:rgb(255, 101, 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, 101, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1214, 0.3676, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 208) }
```

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

```
.background{ background-color: rgb(255,  
101, 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](#).

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