

Converting Colors

$Y_{xy}(45.3472, 0.3975, 0.2305)$

Have a look what the booklet for
Yxy(45.3472, 0.3975, 0.2305)
contains.

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Color

Yxy(35.2158, 0.3534, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	FF62DD
RGB	255, 98, 221
RGB Percent	100%, 38%, 87%
CMY	0.0001, 0.6155, 0.1335
CMYK	0.00, 0.62, 0.13, 0.00
HSL	313°, 100%, 69%
HSV	313°, 62%, 100%
XYZ	58.6487, 35.2158, 72.0912
YIQ	158.9650, 54.0890, 71.5370

Conversions

Conversions Part 2

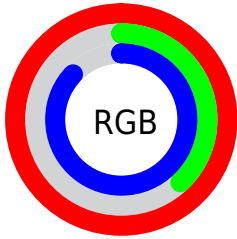
Format	Color
R _{YB}	255, 98, 221
Decimal	16736989
CIE _{Lab}	65.92, 72.59, -33.08
CIE _{LCh}	66, 79.769, 335.499
Yxy	35.2158, 0.3534, 0.2122
Android (android.graphics.Color)	4294927069 (0xFFFF62DD)
YUV	158.9650, 30.5833, 84.2227
Hunter-Lab	59.3429, 72.5619, -30.4869

Details

The Yxy color **35.2158, 0.3534, 0.2122** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.7711, 0.2904, 0.4894**, and the grayscale version is **34.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **15.2340, 0.3615, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **30.8901, 0.3621, 0.2001**, and if you desaturate by 10%, it is **41.0738, 0.3450, 0.2279**.

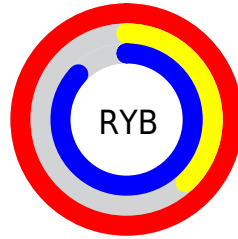
Distribution



Red (100%)

Green (38%)

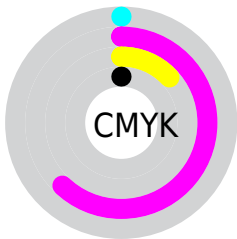
Blue (87%)



Red (100%)

Yellow (38%)

Blue (87%)

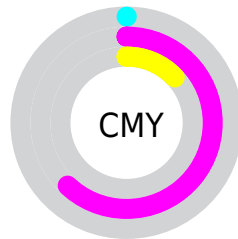


Cyan (0%)

Magenta (62%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2158, 0.3534, 0.2122 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 35.2158, 0.3534, 0.2122 by changing the saturation by 10% instead.


 35.2158, 0.3534,
0.2122


 35.2158, 0.3534,
0.2122


325.5198, 0.3352,
0.2664


 23.8292, 0.3573,
0.2000


 67.8199, 0.3472,
0.2309

 15.2069, 0.3620,
0.1851


 89.8062, 0.3448,
0.2382

 8.9647, 0.3677,
0.1665


 116.0945, 0.3427,
0.2445

 4.7182, 0.3745,
0.1430

 147.0692, 0.3408,
0.2500

 2.0829, 0.3825,
0.1129

183.1147, 0.3391,
0.2549

 0.6550, 0.3920,
0.0724

224.6154, 0.3377,

 0.0000, 0.4082,

0.2592

0.0000

271.9556, 0.3363,
0.2630

0.0000, 0.3204,
0.0000

0.0000, 0.0000,
0.0000

35.2158, 0.3534,
0.2122

35.2158, 0.3534,
0.2122

30.8901, 0.3621,
0.2001

41.0738, 0.3450,
0.2279

27.9414, 0.3708,
0.1923


48.5894, 0.3372,
0.2462

26.1908, 0.3793,
0.1894

57.8809, 0.3301,
0.2659

25.4127, 0.3861,
0.1901

69.0543, 0.3237,
0.2863

 82.2072, 0.3182,
0.3065

 97.4305, 0.3134,
0.3261

99.9955, 0.3127,
0.3290

Harmonies

Analogous

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



35.2158, 0.2387, 0.1735



35.2158, 0.3534, 0.2122



35.2158, 0.4762, 0.2726

Triad

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



35.2158, 0.3534, 0.2122



35.2158, 0.4492, 0.5047



35.2158, 0.1270, 0.2459

Complementary

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



35.2158, 0.3534, 0.2122



75.7711, 0.2904, 0.4894

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.



35.2158, 0.1629, 0.3679



35.2158, 0.3534, 0.2122



35.2158, 0.3473, 0.5571

Square

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



35.2158, 0.3534, 0.2122



35.2158, 0.5250, 0.4222



35.2158, 0.2425, 0.5088



35.2158, 0.1290, 0.1823

Rectangle

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



35.2158, 0.3534, 0.2122



35.2158, 0.5298, 0.3194



35.2158, 0.2425, 0.5088



35.2158, 0.1343, 0.2800

Sweetspot

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



35.2175, 0.3534, 0.2122



73.5059, 0.3217, 0.2935



20.8708, 0.2133, 0.1394



14.9505, 0.3233, 0.2876



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.



35.2175, 0.3534, 0.2122



30.0522, 0.3642, 0.1977



31.9669, 0.4520, 0.2860



18.2290, 0.3171, 0.3106



13.3046, 0.3848, 0.1894



1.3114, 0.3761, 0.1845

Inverse Universe

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



35.2175, 0.3534, 0.2122



30.0522, 0.3642, 0.1977



78.7825, 0.2560, 0.3843



18.2290, 0.3171, 0.3106



13.3046, 0.3848, 0.1894



1.3114, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 35.2158, 0.3534, 0.2122 looks on a white background.

Color Contrast Check

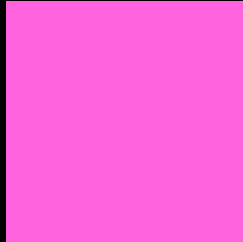
Large Text (above 18pt) WCAG AA × Fail

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 35.2158, 0.3534, 0.2122 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 35.2158, 0.3534, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 35.2158, 0.3534, 0.2122.



This preview shows how white text looks on a background with the Yxy color 35.2158, 0.3534, 0.2122.

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

35.2158, 0.3534, 0.2122

Protanopia

35.5449, 0.2209, 0.2051

Deuteranopia

35.4528, 0.2619, 0.2565



Tritanopia

35.1236, 0.4477, 0.3210

Trichromacy



Original Color

35.2158, 0.3534, 0.2122



Protanomaly

32.7373, 0.2556, 0.2003



Deuteranomaly

33.0794, 0.2904, 0.2311



Tritanomaly

34.5943, 0.4134, 0.2772

Monochromacy



Original Color

35.2158, 0.3534, 0.2122



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7381, 0.3280, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2158, 0.3534, 0.2122 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, 98, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 221)  
}
```

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, 98, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 221) }
```

Border

The CSS property to change the border of an element to Yxy 35.2158, 0.3534, 0.2122 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, 98, 221) }
```

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

```
.border{ border-color:rgb(255, 98, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.2158, 0.3534, 0.2122$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 221) }
```

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

```
.background{ background-color: rgb(255, 98,  
221) }
```

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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