

Converting Colors

$Y_{xy}(32.5298, 0.3615, 0.2075)$

Have a look what the booklet for
Yxy(32.5298, 0.3615, 0.2075)
contains.

Yxy(32.5069, 0.3615, 0.2074)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.5069, 0.3615, 0.2074)

Conversions

Conversions Part 1

Format	Color
Hex	FF54D7
RGB	255, 84, 215
RGB Percent	100%, 33%, 84%
CMY	0.0002, 0.6703, 0.1569
CMYK	0.00, 0.67, 0.16, 0.00
HSL	314°, 100%, 66%
HSV	314°, 67%, 100%
XYZ	56.6598, 32.5069, 67.5686
YIQ	150.0630, 59.8650, 76.9930

Conversions

Conversions Part 2

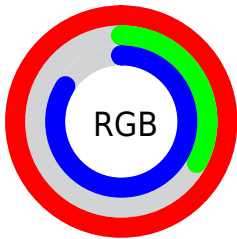
Format	Color
R _Y B	255, 84, 215
Decimal	16733399
CIE Lab	63.76, 77.01, -33.08
CIE LCh	64, 83.817, 336.758
Yxy	32.5069, 0.3615, 0.2074
Android (android.graphics.Color)	4294923479 (0xFFFF54D7)
YUV	150.0630, 32.0139, 92.0297
Hunter-Lab	57.0148, 77.6126, -30.3545

Details

The Yxy color **32.5069, 0.3615, 0.2074** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **74.8308, 0.2886, 0.5018**, and the grayscale version is **30.3826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **14.0074, 0.3711, 0.1818** is the 20% darker color. If you saturate the color by 10%, you get **28.9400, 0.3710, 0.1978**, and if you desaturate by 10%, it is **37.5278, 0.3522, 0.2210**.

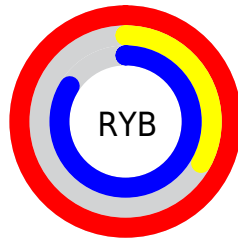
Distribution



Red (100%)

Green (33%)

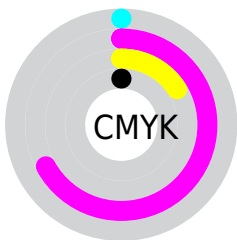
Blue (84%)



Red (100%)

Yellow (33%)

Blue (84%)

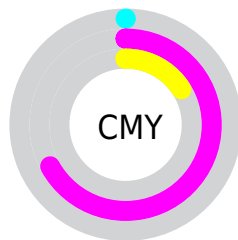


Cyan (0%)

Magenta (67%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (67%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5069, 0.3615, 0.2074 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 32.5069, 0.3615, 0.2074 by changing the saturation by 10% instead.


 32.5069, 0.3615,
0.2074


 32.5069, 0.3615,
0.2074


313.4219, 0.3391,
0.2642

 21.7490, 0.3665,
0.1945


 63.6049, 0.3538,
0.2271

 13.6726, 0.3725,
0.1788


 84.7138, 0.3508,
0.2348

 7.8933, 0.3798,
0.1592


 110.0417, 0.3482,
0.2414

 4.0267, 0.3889,
0.1344

 139.9732, 0.3459,
0.2471

 1.6885, 0.4000,
0.1027

174.8926, 0.3439,
0.2522

 0.4162, 0.4170,
0.0535

215.1842, 0.3421,

 0.0000, 0.4316,

0.2567

0.0000

261.2325, 0.3405,
0.2607

■ 0.0000, 0.3255,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5069, 0.3615,
0.2074

■ 32.5069, 0.3615,
0.2074

■ 28.9400, 0.3710,
0.1978

■ 37.5278, 0.3522,
0.2210

■ 26.6574, 0.3805,
0.1930

■ 44.1382, 0.3434,
0.2377

■ 25.4506, 0.3895,
0.1929

■ 52.4633, 0.3353,
0.2565

■ 25.2046, 0.3922,
0.1934

■ 62.6146, 0.3280,
0.2762

 74.6939, 0.3216,
0.2962

 88.7958, 0.3161,
0.3158

99.9899, 0.3127,
0.3290

Harmonies

Analogous

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



32.5069, 0.2376, 0.1661



32.5069, 0.3615, 0.2074



32.5069, 0.4933, 0.2708

Triad

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



32.5069, 0.3615, 0.2074



32.5069, 0.4494, 0.5160



32.5069, 0.1162, 0.2346

Complementary

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



32.5069, 0.3615, 0.2074



74.8308, 0.2886, 0.5018

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.



32.5069, 0.1502, 0.3631



32.5069, 0.3615, 0.2074



32.5069, 0.3407, 0.5754

Square

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



32.5069, 0.3615, 0.2074



32.5069, 0.5340, 0.4265



32.5069, 0.2312, 0.5205



32.5069, 0.1202, 0.1714

Rectangle

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



32.5069, 0.3615, 0.2074



32.5069, 0.5479, 0.3193



32.5069, 0.2312, 0.5205



32.5069, 0.1227, 0.2696

Sweetspot

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



32.5085, 0.3615, 0.2074



70.9212, 0.3234, 0.2903



17.8508, 0.2053, 0.1241



14.4459, 0.3252, 0.2847



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.



32.5085, 0.3615, 0.2074



28.1469, 0.3739, 0.1959



29.2051, 0.4760, 0.2872



18.2234, 0.3174, 0.3110



13.2004, 0.3908, 0.1926



1.3020, 0.3811, 0.1873

Inverse Universe

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



32.5085, 0.3615, 0.2074



28.1469, 0.3739, 0.1959



77.9969, 0.2524, 0.3863



18.2234, 0.3174, 0.3110



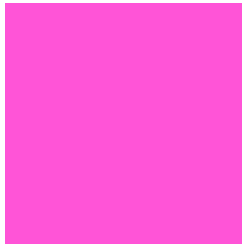
13.2004, 0.3908, 0.1926



1.3020, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 32.5069, 0.3615, 0.2074 looks on a white background.

Color Contrast Check

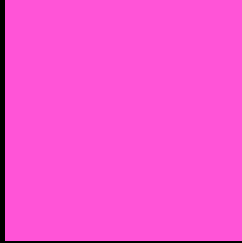
Large Text (above 18pt) WCAG AA × Fail

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 32.5069, 0.3615, 0.2074 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 32.5069, 0.3615, 0.2074

Background



This preview shows how black text looks on a background with the Yxy color 32.5069, 0.3615, 0.2074.



This preview shows how white text looks on a background with the Yxy color 32.5069, 0.3615, 0.2074.

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

32.5069, 0.3615, 0.2074

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.6150, 0.2603, 0.2542



Tritanopia

32.2936, 0.4678, 0.3213

Trichromacy



Original Color

32.5069, 0.3615, 0.2074



Protanomaly

29.3625, 0.2507, 0.1906



Deuteranomaly

29.8495, 0.2915, 0.2252



Tritanomaly

31.7802, 0.4293, 0.2753

Monochromacy



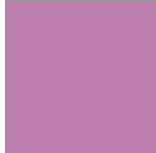
Original Color

32.5069, 0.3615, 0.2074



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.6691, 0.3312, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5069, 0.3615, 0.2074 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, 84, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 215)  
}
```

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, 84, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 215) }
```

Border

The CSS property to change the border of an element to Yxy 32.5069, 0.3615, 0.2074 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, 84, 215) }
```

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

```
.border{ border-color:rgb(255, 84, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5069, 0.3615, 0.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 215) }
```

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

```
.background{ background-color: rgb(255, 84,  
215) }
```

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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