

Converting Colors

$Y_{xy}(35.9030, 0.4066, 0.2376)$

Have a look what the booklet for
Yxy(35.9030, 0.4066, 0.2376)
contains.

Yxy(32.2105, 0.3887, 0.2305)	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(32.2105, 0.3887, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	FF59C0
RGB	255, 89, 192
RGB Percent	100%, 35%, 75%
CMY	0.0001, 0.6508, 0.2471
CMYK	0.00, 0.65, 0.25, 0.00
HSL	323°, 100%, 67%
HSV	323°, 65%, 100%
XYZ	54.3177, 32.2105, 53.2137
YIQ	150.3760, 65.8730, 67.2250

Conversions

Conversions Part 2

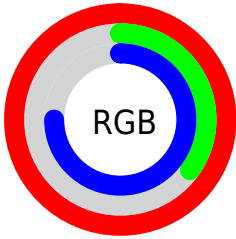
Format	Color
R _Y B	255, 89, 192
Decimal	16734656
CIE _{Lab}	63.52, 72.18, -20.44
CIE _{LCh}	64, 75.021, 344.189
Yxy	32.2105, 0.3887, 0.2305
Android (android.graphics.Color)	4294924736 (0xFFFF59C0)
YUV	150.3760, 20.5206, 91.7552
Hunter-Lab	56.7543, 71.5164, -15.8632

Details

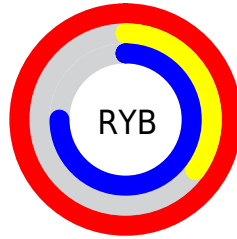
The Yxy color **32.2105, 0.3887, 0.2305** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.8967, 0.2787, 0.4645**, and the grayscale version is **30.5643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2794, 0.3225, 0.2306**, and **13.4563, 0.4103, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **28.2608, 0.4058, 0.2226**, and if you desaturate by 10%, it is **37.6605, 0.3726, 0.2422**.

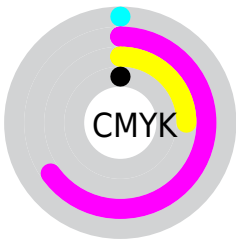
Distribution



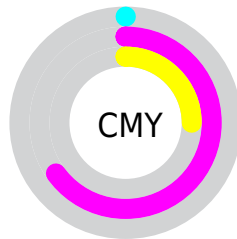
- Red (100%)
- Green (35%)
- Blue (75%)



- Red (100%)
- Yellow (35%)
- Blue (75%)



- Cyan (0%)
- Magenta (65%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2105, 0.3887, 0.2305 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 32.2105, 0.3887, 0.2305 by changing the saturation by 10% instead.


 32.2105, 0.3887,
0.2305


 32.2105, 0.3887,
0.2305


312.0770, 0.3508,
0.2782

 21.5223, 0.3981,
0.2192


 63.1409, 0.3750,
0.2474


 13.5063, 0.4100,
0.2050

 84.1520, 0.3698,
0.2539

 7.7781, 0.4257,
0.1869


 109.3728, 0.3654,
0.2594

 3.9533, 0.4471,
0.1630

 139.1878, 0.3617,
0.2642

 1.6475, 0.4779,
0.1306

173.9813, 0.3584,
0.2684

 0.3893, 0.5331,
0.0715

214.1377, 0.3555,

 0.0000, 0.6301,

0.2720

0.0000

260.0415, 0.3530,
0.2753

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2105, 0.3887,
0.2305

■ 32.2105, 0.3887,
0.2305

■ 28.2608, 0.4058,
0.2226

■ 37.6605, 0.3726,
0.2422

■ 25.6469, 0.4233,
0.2196


■ 44.7429, 0.3580,
0.2566

■ 24.1738, 0.4405,
0.2220

■ 53.5808, 0.3450,
0.2725

■ 23.7296, 0.4488,
0.2246

■ 64.2840, 0.3338,
0.2890

 76.9533, 0.3243,
0.3054

 91.6821, 0.3163,
0.3213

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



32.2105, 0.2698, 0.1854



32.2105, 0.3887, 0.2305



32.2105, 0.4980, 0.2941

Triad

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



32.2105, 0.3887, 0.2305



32.2105, 0.4199, 0.5213



32.2105, 0.1283, 0.2252

Complementary

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



32.2105, 0.3887, 0.2305



75.8967, 0.2787, 0.4645

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.



32.2105, 0.1522, 0.3275



32.2105, 0.3887, 0.2305



32.2105, 0.3173, 0.5486

Square

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



32.2105, 0.3887, 0.2305



32.2105, 0.5034, 0.4451



32.2105, 0.2186, 0.4676



32.2105, 0.1396, 0.1766

Rectangle

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



32.2105, 0.3887, 0.2305



32.2105, 0.5349, 0.3416



32.2105, 0.2186, 0.4676



32.2105, 0.1320, 0.2528

Sweetspot

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



32.2121, 0.3887, 0.2305



70.4809, 0.3288, 0.2974



20.8437, 0.2251, 0.1373



14.3397, 0.3315, 0.2928



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.



32.2121, 0.3887, 0.2305



27.3727, 0.4109, 0.2212



29.5585, 0.4992, 0.3094



18.1766, 0.3197, 0.3144



12.4323, 0.4461, 0.2231



1.2318, 0.4279, 0.2131

Inverse Universe

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



32.2121, 0.3887, 0.2305



27.3727, 0.4109, 0.2212



79.5031, 0.2441, 0.3557



18.1766, 0.3197, 0.3144



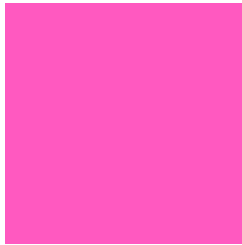
12.4323, 0.4461, 0.2231



1.2318, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 32.2105, 0.3887, 0.2305 looks on a white background.

Color Contrast Check

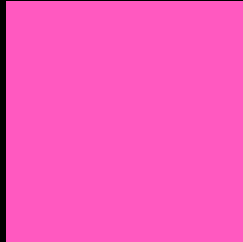
Large Text (above 18pt) WCAG AA × Fail

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 32.2105, 0.3887, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

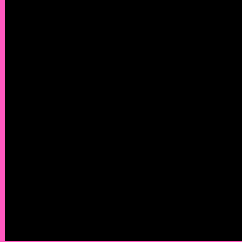
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2105, 0.3887, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 32.2105, 0.3887, 0.2305.



This preview shows how white text looks on a background with the Yxy color 32.2105, 0.3887, 0.2305.

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

32.2105, 0.3887, 0.2305

Protanopia

32.5172, 0.2273, 0.2132

Deuteranopia

32.2002, 0.2881, 0.2814



Tritanopia

32.1547, 0.4746, 0.3224

Trichromacy



Original Color

32.2105, 0.3887, 0.2305



Protanomaly

29.3167, 0.2703, 0.2110



Deuteranomaly

30.0599, 0.3216, 0.2539



Tritanomaly

32.0256, 0.4444, 0.2871

Monochromacy



Original Color

32.2105, 0.3887, 0.2305



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8463, 0.3409, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2105, 0.3887, 0.2305 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, 89, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 192)  
}
```

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, 89, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 192) }
```

Border

The CSS property to change the border of an element to Yxy 32.2105, 0.3887, 0.2305 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, 89, 192) }
```

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

```
.border{ border-color:rgb(255, 89, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2105, 0.3887, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 192) }
```

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

```
.background{ background-color: rgb(255, 89,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor