

Converting Colors

$Y_{xy}(32.2786, 0.3770, 0.2203)$

Have a look what the booklet for
Yxy(32.2786, 0.3770, 0.2203)
contains.

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Color

Yxy(32.3407, 0.3766, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	FF57CA
RGB	255, 87, 202
RGB Percent	100%, 34%, 79%
CMY	0.0000, 0.6588, 0.2078
CMYK	0.00, 0.66, 0.21, 0.00
HSL	319°, 100%, 67%
HSV	319°, 66%, 100%
XYZ	55.3111, 32.3407, 59.2178
YIQ	150.3420, 63.2130, 71.3810

Conversions

Conversions Part 2

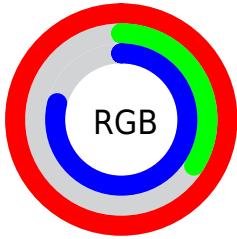
Format	Color
R _Y B	255, 87, 202
Decimal	16734154
CIE Lab	63.62, 74.24, -25.97
CIE LCh	64, 78.648, 340.718
Yxy	32.3407, 0.3766, 0.2202
Android (android.graphics.Color)	4294924234 (0xFFFF57CA)
YUV	150.3420, 25.4674, 91.7851
Hunter-Lab	56.8689, 74.0899, -21.9307

Details

The Yxy color **32.3407, 0.3766, 0.2202** 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 **75.4392, 0.2832, 0.4809**, and the grayscale version is **30.5228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **13.6075, 0.3920, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **28.5456, 0.3902, 0.2115**, and if you desaturate by 10%, it is **37.6158, 0.3636, 0.2329**.

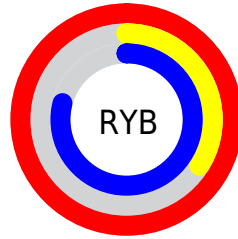
Distribution



Red (100%)

Green (34%)

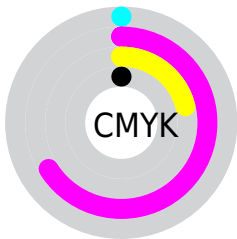
Blue (79%)



Red (100%)

Yellow (34%)

Blue (79%)

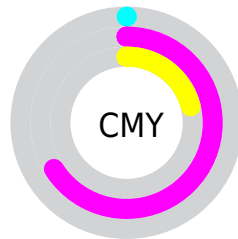


Cyan (0%)

Magenta (66%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (66%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3407, 0.3766, 0.2202 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 32.3407, 0.3766, 0.2202 by changing the saturation by 10% instead.


 32.3407, 0.3766,
0.2202


 32.3407, 0.3766,
0.2202


312.6683, 0.3456,
0.2720


 21.6219, 0.3840,
0.2082


 63.3448, 0.3656,
0.2384


 13.5793, 0.3932,
0.1932


 84.3989, 0.3614,
0.2454

 7.8287, 0.4051,
0.1744


 109.6668, 0.3578,
0.2514

 3.9855, 0.4208,
0.1499

 139.5330, 0.3547,
0.2567

 1.6655, 0.4424,
0.1177

174.3819, 0.3520,
0.2612

 0.4011, 0.4791,
0.0631

214.5978, 0.3496,

 0.0000, 0.5289,

0.2653

0.0000

260.5651, 0.3475,
0.2688

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3407, 0.3766,
0.2202

■ 32.3407, 0.3766,
0.2202

■ 28.5456, 0.3902,
0.2115

■ 37.6158, 0.3636,
0.2329

■ 26.0645, 0.4040,
0.2076


■ 44.5051, 0.3516,
0.2484

■ 24.6984, 0.4174,
0.2088

■ 53.1322, 0.3408,
0.2656

■ 24.3389, 0.4228,
0.2103

■ 63.6075, 0.3314,
0.2836

 76.0324, 0.3232,
0.3016

 90.5007, 0.3163,
0.3191

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.



32.3407, 0.2552, 0.1768



32.3407, 0.3766, 0.2202



32.3407, 0.4959, 0.2837

Triad

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



32.3407, 0.3766, 0.2202



32.3407, 0.4333, 0.5195



32.3407, 0.1230, 0.2294

Complementary

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



32.3407, 0.3766, 0.2202



75.4392, 0.2832, 0.4809

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.



32.3407, 0.1516, 0.3428



32.3407, 0.3766, 0.2202



32.3407, 0.3282, 0.5612

Square

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



32.3407, 0.3766, 0.2202



32.3407, 0.5169, 0.4370



32.3407, 0.2245, 0.4907



32.3407, 0.1309, 0.1744

Rectangle

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



32.3407, 0.3766, 0.2202



32.3407, 0.5406, 0.3316



32.3407, 0.2245, 0.4907



32.3407, 0.1280, 0.2602

Sweetspot

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



32.3421, 0.3766, 0.2202



70.6728, 0.3264, 0.2942



19.3892, 0.2153, 0.1311



14.3859, 0.3287, 0.2892



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.



32.3421, 0.3766, 0.2202



27.6391, 0.3945, 0.2097



29.4475, 0.4874, 0.2986



18.1971, 0.3187, 0.3129



12.7459, 0.4207, 0.2091



1.2608, 0.4065, 0.2013

Inverse Universe

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



32.3421, 0.3766, 0.2202



27.6391, 0.3945, 0.2097



78.7882, 0.2482, 0.3704



18.1971, 0.3187, 0.3129



12.7459, 0.4207, 0.2091



1.2608, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 32.3407, 0.3766, 0.2202 looks on a white background.

Color Contrast Check

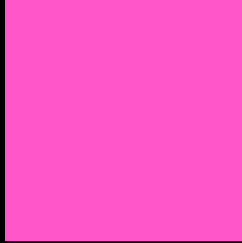
Large Text (above 18pt) WCAG AA × Fail

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 32.3407, 0.3766, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

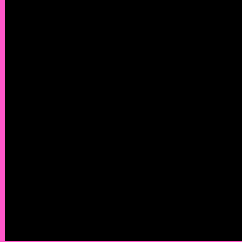
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3407, 0.3766, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 32.3407, 0.3766, 0.2202.



This preview shows how white text looks on a background with the Yxy color 32.3407, 0.3766, 0.2202.

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

32.3407, 0.3766, 0.2202

Protanopia

32.7389, 0.2158, 0.1986

Deuteranopia

32.4230, 0.2764, 0.2703



Tritanopia

32.2104, 0.4718, 0.3224

Trichromacy



Original Color

32.3407, 0.3766, 0.2202



Protanomaly

29.3782, 0.2557, 0.1972



Deuteranomaly

30.1152, 0.3085, 0.2418



Tritanomaly

31.9649, 0.4380, 0.2827

Monochromacy



Original Color

32.3407, 0.3766, 0.2202



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.7347, 0.3366, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3407, 0.3766, 0.2202 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, 87, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 202)  
}
```

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, 87, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 202) }
```

Border

The CSS property to change the border of an element to Yxy 32.3407, 0.3766, 0.2202 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, 87, 202) }
```

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

```
.border{ border-color:rgb(255, 87, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3407, 0.3766, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 202) }
```

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

```
.background{ background-color: rgb(255, 87,  
202) }
```

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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