

Converting Colors

$Y_{xy}(30.2531, 0.3777, 0.2104)$

Have a look what the booklet for
Yxy(30.2531, 0.3777, 0.2104)
contains.

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Color

Yxy(30.3369, 0.3772, 0.2103)

Conversions

Conversions Part 1

Format	Color
Hex	FF49CB
RGB	255, 73, 203
RGB Percent	100%, 29%, 80%
CMY	0.0000, 0.7139, 0.2038
CMYK	0.00, 0.71, 0.20, 0.00
HSL	317°, 100%, 64%
HSV	317°, 71%, 100%
XYZ	54.4131, 30.3369, 59.5053
YIQ	142.2380, 66.7420, 79.0140

Conversions

Conversions Part 2

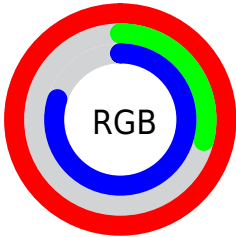
Format	Color
R _Y B	255, 73, 203
Decimal	16730571
CIE Lab	61.94, 79.20, -29.13
CIE LCh	62, 84.392, 339.807
Yxy	30.3369, 0.3772, 0.2103
Android (android.graphics.Color)	4294920651 (0xFFFF49CB)
YUV	142.2380, 29.9557, 98.8923
Hunter-Lab	55.0789, 79.9540, -25.4995

Details

The Yxy color **30.3369, 0.3772, 0.2103** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.4136, 0.2849, 0.5023**, and the grayscale version is **26.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **13.6393, 0.3902, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **27.3038, 0.3893, 0.2036**, and if you desaturate by 10%, it is **34.7495, 0.3653, 0.2214**.

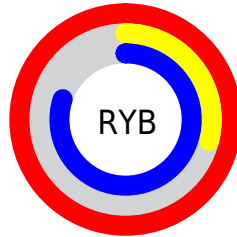
Distribution



Red (100%)

Green (29%)

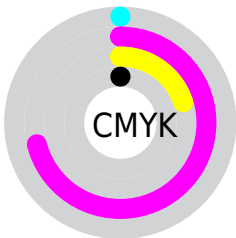
Blue (80%)



Red (100%)

Yellow (29%)

Blue (80%)

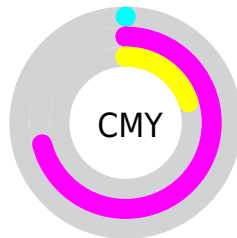


Cyan (0%)

Magenta (71%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (71%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3369, 0.3772, 0.2103 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 30.3369, 0.3772, 0.2103 by changing the saturation by 10% instead.


 30.3369, 0.3772,
0.2103


 30.3369, 0.3772,
0.2103


303.4717, 0.3461,
0.2667


 20.0944, 0.3845,
0.1973


 60.1946, 0.3662,
0.2300


 12.4637, 0.3936,
0.1812


 80.5786, 0.3620,
0.2377

 7.0603, 0.4052,
0.1611


 105.1118, 0.3584,
0.2442

 3.4998, 0.4203,
0.1352

 134.1788, 0.3553,
0.2499

 1.3979, 0.4405,
0.1018

168.1639, 0.3526,
0.2549

 0.2152, 0.4796,
0.0354

207.4515, 0.3502,

 0.0000, 0.5094,

0.2593

0.0000

252.4259, 0.3480,
0.2632

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.3369, 0.3772,
0.2103

■ 30.3369, 0.3772,
0.2103

■ 27.3038, 0.3893,
0.2036

■ 34.7495, 0.3653,
0.2214

■ 25.4832, 0.4013,
0.2019

■ 40.7048, 0.3540,
0.2361

■ 24.6457, 0.4113,
0.2039

■ 48.3286, 0.3437,
0.2531

■ 57.7376, 0.3344,
0.2714

69.0376, 0.3264,
0.2902

82.3263, 0.3194,
0.3087

97.6948, 0.3135,
0.3266

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.



30.3369, 0.2464, 0.1657



30.3369, 0.3772, 0.2103



30.3369, 0.5097, 0.2762

Triad

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



30.3369, 0.3772, 0.2103



30.3369, 0.4402, 0.5280



30.3369, 0.1110, 0.2222

Complementary

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



30.3369, 0.3772, 0.2103



74.4136, 0.2849, 0.5023

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.



30.3369, 0.1405, 0.3470



30.3369, 0.3772, 0.2103



30.3369, 0.3280, 0.5839

Square

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



30.3369, 0.3772, 0.2103



30.3369, 0.5315, 0.4357



30.3369, 0.2179, 0.5135



30.3369, 0.1188, 0.1641

Rectangle

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



30.3369, 0.3772, 0.2103



30.3369, 0.5591, 0.3256



30.3369, 0.2179, 0.5135



30.3369, 0.1161, 0.2555

Sweetspot

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



30.3325, 0.3772, 0.2103



69.5176, 0.3261, 0.2909



16.3044, 0.2039, 0.1153



14.1655, 0.3282, 0.2857



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.



30.3325, 0.3772, 0.2103



26.3269, 0.3949, 0.2022



27.1981, 0.5061, 0.2956



18.2067, 0.3182, 0.3122



12.9049, 0.4094, 0.2029



1.2754, 0.3969, 0.1960

Inverse Universe

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



30.3325, 0.3772, 0.2103



26.3269, 0.3949, 0.2022



77.8698, 0.2471, 0.3785



18.2067, 0.3182, 0.3122



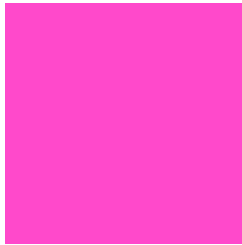
12.9049, 0.4094, 0.2029



1.2754, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 30.3369, 0.3772, 0.2103 looks on a white background.

Color Contrast Check

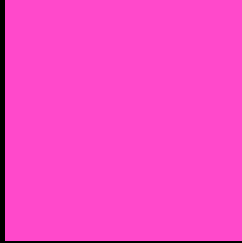
Large Text (above 18pt) WCAG AA × Fail

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 30.3369, 0.3772, 0.2103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

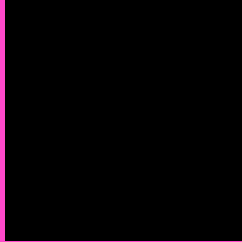
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3369, 0.3772, 0.2103

Background



This preview shows how black text looks on a background with the Yxy color 30.3369, 0.3772, 0.2103.



This preview shows how white text looks on a background with the Yxy color 30.3369, 0.3772, 0.2103.

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

30.3369, 0.3772, 0.2103

Protanopia

30.6613, 0.2077, 0.1877

Deuteranopia

30.4240, 0.2690, 0.2631



Tritanopia

30.3596, 0.4884, 0.3236

Trichromacy



Original Color

30.3369, 0.3772, 0.2103



Protanomaly

26.5189, 0.2473, 0.1830



Deuteranomaly

27.4857, 0.3035, 0.2304



Tritanomaly

29.7893, 0.4493, 0.2781

Monochromacy



Original Color

30.3369, 0.3772, 0.2103



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.4702, 0.3381, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3369, 0.3772, 0.2103 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, 73, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 203)  
}
```

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, 73, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 203) }
```

Border

The CSS property to change the border of an element to Yxy 30.3369, 0.3772, 0.2103 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, 73, 203) }
```

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

```
.border{ border-color:rgb(255, 73, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 73, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3369, 0.3772, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 203) }
```

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

```
.background{ background-color: rgb(255, 73,  
203) }
```

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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