

Converting Colors

$Y_{xy}(34.6895, 0.3742, 0.2297)$

Have a look what the booklet for
Yxy(34.6895, 0.3742, 0.2297)
contains.

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Color

Yxy(34.6386, 0.3747, 0.2299)

Conversions

Conversions Part 1

Format	Color
Hex	FF64CA
RGB	255, 100, 202
RGB Percent	100%, 39%, 79%
CMY	0.0000, 0.6078, 0.2079
CMYK	0.00, 0.61, 0.21, 0.00
HSL	321°, 100%, 70%
HSV	321°, 61%, 100%
XYZ	56.4553, 34.6386, 59.5742
YIQ	157.9730, 59.6380, 64.5820

Conversions

Conversions Part 2

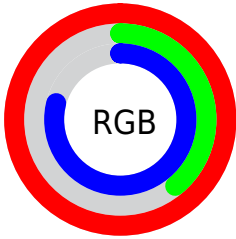
Format	Color
R _Y B	255, 100, 202
Decimal	16737482
CIE Lab	65.47, 69.15, -23.12
CIE LCh	65, 72.914, 341.513
Yxy	34.6386, 0.3747, 0.2299
Android (android.graphics.Color)	4294927562 (0xFFFF64CA)
YUV	157.9730, 21.7053, 85.0927
Hunter-Lab	58.8546, 68.2279, -18.8167

Details

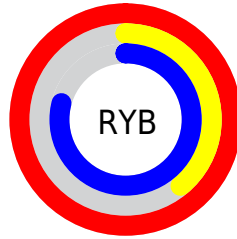
The Yxy color **34.6386, 0.3747, 0.2299** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.5306, 0.2822, 0.4617**, and the grayscale version is **34.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **14.9423, 0.3908, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **30.0881, 0.3894, 0.2195**, and if you desaturate by 10%, it is **40.7460, 0.3610, 0.2437**.

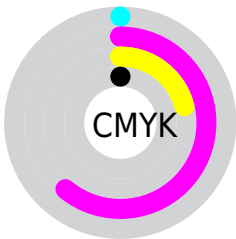
Distribution



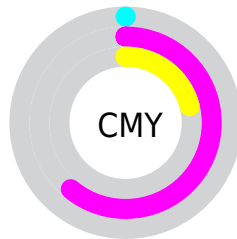
- Red (100%)
- Green (39%)
- Blue (79%)



- Red (100%)
- Yellow (39%)
- Blue (79%)



- Cyan (0%)
- Magenta (61%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6386, 0.3747, 0.2299 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 34.6386, 0.3747, 0.2299 by changing the saturation by 10% instead.

 34.6386, 0.3747,
0.2299

 34.6386, 0.3747,
0.2299


322.9702, 0.3445,
0.2772


 23.3846, 0.3819,
0.2189


 66.9255, 0.3640,
0.2465

 14.8778, 0.3910,
0.2052


 88.7273, 0.3599,
0.2529

 8.7336, 0.4028,
0.1878

 114.8137, 0.3564,
0.2584

 4.5679, 0.4185,
0.1650

 145.5692, 0.3533,
0.2632

 1.9960, 0.4403,
0.1346

181.3782, 0.3507,
0.2673

 0.6052, 0.4741,
0.0893

222.6252, 0.3484,

 0.0000, 0.5414,

0.2710

0.0000

269.6944, 0.3464,
0.2743

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6386, 0.3747,
0.2299

■ 34.6386, 0.3747,
0.2299

■ 30.0881, 0.3894,
0.2195

■ 40.7460, 0.3610,
0.2437

■ 26.9408, 0.4047,
0.2136

■ 48.5348, 0.3485,
0.2596

■ 25.0203, 0.4199,
0.2128

■ 58.1225, 0.3376,
0.2768

■ 24.0782, 0.4335,
0.2161

■ 69.6148, 0.3281,
0.2942

83.1090, 0.3200,
0.3113

98.6958, 0.3132,
0.3278

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



34.6386, 0.2633, 0.1881



34.6386, 0.3747, 0.2299



34.6386, 0.4815, 0.2906

Triad

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



34.6386, 0.3747, 0.2299



34.6386, 0.4257, 0.5086



34.6386, 0.1358, 0.2372

Complementary

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



34.6386, 0.3747, 0.2299



76.5306, 0.2822, 0.4617

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.



34.6386, 0.1632, 0.3397



34.6386, 0.3747, 0.2299



34.6386, 0.3280, 0.5381

Square

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



34.6386, 0.3747, 0.2299



34.6386, 0.5018, 0.4360



34.6386, 0.2314, 0.4701



34.6386, 0.1437, 0.1854

Rectangle

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



34.6386, 0.3747, 0.2299



34.6386, 0.5216, 0.3366



34.6386, 0.2314, 0.4701



34.6386, 0.1406, 0.2655

Sweetspot

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



34.6403, 0.3747, 0.2299



73.1596, 0.3257, 0.2990



22.9814, 0.2281, 0.1476



14.8654, 0.3282, 0.2940



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.



34.6403, 0.3747, 0.2299



29.2734, 0.3928, 0.2178



31.8794, 0.4735, 0.3046



18.1886, 0.3191, 0.3135



12.6106, 0.4311, 0.2149



1.2484, 0.4152, 0.2061

Inverse Universe

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



34.6403, 0.3747, 0.2299



29.2734, 0.3928, 0.2178



79.8961, 0.2487, 0.3601



18.1886, 0.3191, 0.3135



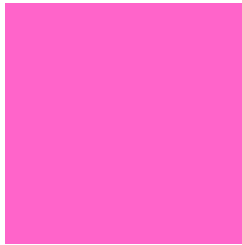
12.6106, 0.4311, 0.2149



1.2484, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 34.6386, 0.3747, 0.2299 looks on a white background.

Color Contrast Check

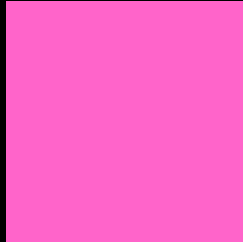
Large Text (above 18pt) WCAG AA × Fail

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 34.6386, 0.3747, 0.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

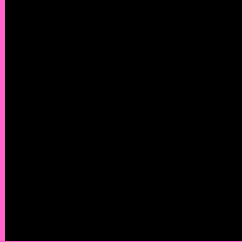
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6386, 0.3747, 0.2299

Background



This preview shows how black text looks on a background with the Yxy color 34.6386, 0.3747, 0.2299.



This preview shows how white text looks on a background with the Yxy color 34.6386, 0.3747, 0.2299.

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

34.6386, 0.3747, 0.2299

Protanopia

34.9587, 0.2281, 0.2139

Deuteranopia

34.8963, 0.2831, 0.2773



Tritanopia

34.4456, 0.4555, 0.3201

Trichromacy



Original Color

34.6386, 0.3747, 0.2299



Protanomaly

32.2641, 0.2678, 0.2138



Deuteranomaly

32.9313, 0.3132, 0.2531



Tritanomaly

34.2112, 0.4276, 0.2851

Monochromacy



Original Color

34.6386, 0.3747, 0.2299



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2848, 0.3352, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6386, 0.3747, 0.2299 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, 100, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 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, 100, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 202) }
```

Border

The CSS property to change the border of an element to Yxy 34.6386, 0.3747, 0.2299 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, 100, 202) }
```

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

```
.border{ border-color:rgb(255, 100, 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, 100, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6386, 0.3747, 0.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 202) }
```

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

```
.background{ background-color: rgb(255,  
100, 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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