

Converting Colors

$Y_{xy}(45.0661, 0.4261, 0.2486)$

Have a look what the booklet for
Yxy(45.0661, 0.4261, 0.2486)
contains.

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Color

Yxy(34.1655, 0.3774, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	FF62C8
RGB	255, 98, 200
RGB Percent	100%, 38%, 78%
CMY	0.0000, 0.6157, 0.2157
CMYK	0.00, 0.62, 0.22, 0.00
HSL	321°, 100%, 69%
HSV	321°, 62%, 100%
XYZ	56.0368, 34.1655, 58.2788
YIQ	156.5710, 60.8300, 65.0060

Conversions

Conversions Part 2

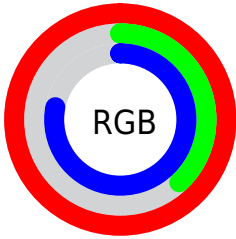
Format	Color
R _Y B	255, 98, 200
Decimal	16736968
CIE Lab	65.09, 69.72, -22.57
CIE LCh	65, 73.278, 342.062
Yxy	34.1655, 0.3774, 0.2301
Android (android.graphics.Color)	4294927048 (0xFFFF62C8)
YUV	156.5710, 21.4105, 86.3222
Hunter-Lab	58.4513, 68.8368, -18.1992

Details

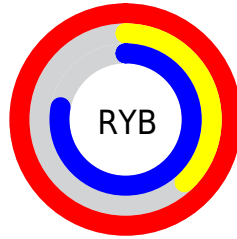
The Yxy color **34.1655, 0.3774, 0.2301** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.4163, 0.2814, 0.4620**, and the grayscale version is **33.3933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **14.6574, 0.3948, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **29.7229, 0.3926, 0.2202**, and if you desaturate by 10%, it is **40.1484, 0.3632, 0.2435**.

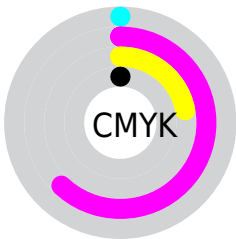
Distribution



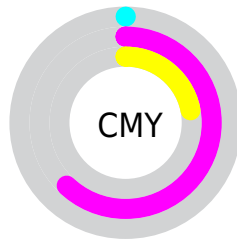
- Red (100%)
- Green (38%)
- Blue (78%)



- Red (100%)
- Yellow (38%)
- Blue (78%)



- Cyan (0%)
- Magenta (62%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1655, 0.3774, 0.2301 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 34.1655, 0.3774, 0.2301 by changing the saturation by 10% instead.


 34.1655, 0.3774,
0.2301


 34.1655, 0.3774,
0.2301


320.8694, 0.3458,
0.2774

 23.0208, 0.3850,
0.2190


 66.1910, 0.3661,
0.2468


 14.6088, 0.3947,
0.2052


 87.8405, 0.3618,
0.2532

 8.5453, 0.4071,
0.1877


 113.7604, 0.3581,
0.2587

 4.4458, 0.4239,
0.1648

 144.3350, 0.3550,
0.2634

 1.9259, 0.4474,
0.1340

179.9489, 0.3522,
0.2676

 0.5639, 0.4847,
0.0867

220.9863, 0.3498,

 0.0000, 0.5558,

0.2713

0.0000

267.8317, 0.3477,
0.2745

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1655, 0.3774,
0.2301

■ 34.1655, 0.3774,
0.2301

■ 29.7229, 0.3926,
0.2202

■ 40.1484, 0.3632,
0.2435

■ 26.6750, 0.4084,
0.2148

■ 47.8075, 0.3503,
0.2591

■ 24.8391, 0.4240,
0.2146

■ 57.2578, 0.3389,
0.2760

■ 24.0006, 0.4368,
0.2180

■ 68.6059, 0.3291,
0.2933

 81.9496, 0.3208,
0.3102

 97.3803, 0.3137,
0.3265

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.



34.1655, 0.2646, 0.1877



34.1655, 0.3774, 0.2301



34.1655, 0.4846, 0.2914

Triad

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



34.1655, 0.3774, 0.2301



34.1655, 0.4246, 0.5110



34.1655, 0.1344, 0.2349

Complementary

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



34.1655, 0.3774, 0.2301



76.4163, 0.2814, 0.4620

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.



34.1655, 0.1611, 0.3373



34.1655, 0.3774, 0.2301



34.1655, 0.3260, 0.5400

Square

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



34.1655, 0.3774, 0.2301



34.1655, 0.5021, 0.4378



34.1655, 0.2290, 0.4695



34.1655, 0.1429, 0.1837

Rectangle

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



34.1655, 0.3774, 0.2301



34.1655, 0.5241, 0.3376



34.1655, 0.2290, 0.4695



34.1655, 0.1390, 0.2630

Sweetspot

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



34.1639, 0.3774, 0.2301



73.1372, 0.3260, 0.2994



22.7212, 0.2287, 0.1462



14.8599, 0.3285, 0.2944



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.



34.1639, 0.3774, 0.2301



28.8608, 0.3964, 0.2184



31.3880, 0.4803, 0.3071



18.1859, 0.3192, 0.3137



12.5702, 0.4344, 0.2167



1.2446, 0.4180, 0.2076

Inverse Universe

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



34.1639, 0.3774, 0.2301



28.8608, 0.3964, 0.2184



79.9112, 0.2472, 0.3573



18.1859, 0.3192, 0.3137



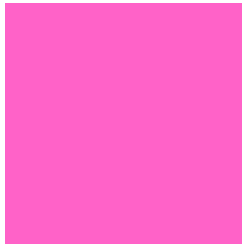
12.5702, 0.4344, 0.2167



1.2446, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 34.1655, 0.3774, 0.2301 looks on a white background.

Color Contrast Check

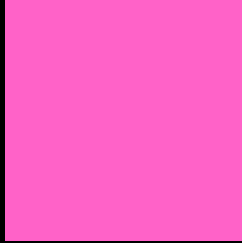
Large Text (above 18pt) WCAG AA × Fail

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 34.1655, 0.3774, 0.2301 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 34.1655, 0.3774, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 34.1655, 0.3774, 0.2301.



This preview shows how white text looks on a background with the Yxy color 34.1655, 0.3774, 0.2301.

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

34.1655, 0.3774, 0.2301

Protanopia

34.4258, 0.2282, 0.2144

Deuteranopia

34.3724, 0.2837, 0.2784



Tritanopia

34.1597, 0.4586, 0.3212

Trichromacy



Original Color

34.1655, 0.3774, 0.2301



Protanomaly

31.5949, 0.2690, 0.2133



Deuteranomaly

32.2827, 0.3153, 0.2528



Tritanomaly

33.9281, 0.4305, 0.2863

Monochromacy



Original Color

34.1655, 0.3774, 0.2301



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.9629, 0.3364, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1655, 0.3774, 0.2301 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, 98, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 200)  
}
```

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, 98, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 200) }
```

Border

The CSS property to change the border of an element to Yxy 34.1655, 0.3774, 0.2301 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, 98, 200) }
```

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

```
.border{ border-color:rgb(255, 98, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1655, 0.3774, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 200) }
```

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

```
.background{ background-color: rgb(255, 98,  
200) }
```

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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