

Converting Colors

$Y_{xy}(34.1318, 0.3733, 0.2261)$

Have a look what the booklet for
Yxy(34.1318, 0.3733, 0.2261)
contains.

Yxy(34.1690, 0.3728, 0.2258)	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(34.1690, 0.3728, 0.2258)

Conversions

Conversions Part 1

Format	Color
Hex	FF61CC
RGB	255, 97, 204
RGB Percent	100%, 38%, 80%
CMY	0.0000, 0.6196, 0.2000
CMYK	0.00, 0.62, 0.20, 0.00
HSL	319°, 100%, 69%
HSV	319°, 62%, 100%
XYZ	56.4137, 34.1690, 60.7415
YIQ	156.4400, 59.8210, 66.7730

Conversions

Conversions Part 2

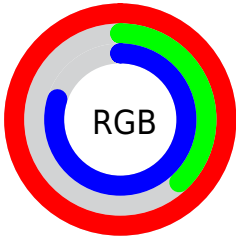
Format	Color
R _Y B	255, 97, 204
Decimal	16736716
CIE Lab	65.10, 70.64, -24.82
CIE LCh	65, 74.875, 340.641
Yxy	34.1690, 0.3728, 0.2258
Android (android.graphics.Color)	4294926796 (0xFFFF61CC)
YUV	156.4400, 23.4471, 86.4371
Hunter-Lab	58.4543, 69.9737, -20.6920

Details

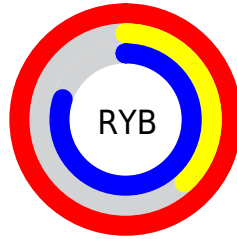
The Yxy color **34.1690, 0.3728, 0.2258** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.2005, 0.2832, 0.4688**, and the grayscale version is **33.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9227, 0.3173, 0.2320**, and **14.6828, 0.3880, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **29.8057, 0.3866, 0.2155**, and if you desaturate by 10%, it is **40.0687, 0.3598, 0.2396**.

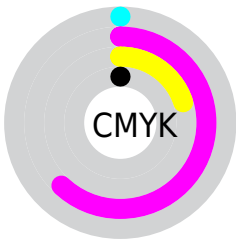
Distribution



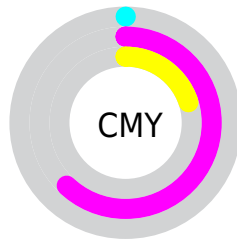
- Red (100%)
- Green (38%)
- Blue (80%)



- Red (100%)
- Yellow (38%)
- Blue (80%)



- Cyan (0%)
- Magenta (62%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1690, 0.3728, 0.2258 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 34.1690, 0.3728, 0.2258 by changing the saturation by 10% instead.


 34.1690, 0.3728,
0.2258


 34.1690, 0.3728,
0.2258


320.8850, 0.3438,
0.2749


 23.0235, 0.3797,
0.2144


 66.1964, 0.3625,
0.2430


 14.6108, 0.3883,
0.2003


 87.8470, 0.3586,
0.2497

 8.5467, 0.3994,
0.1824


 113.7682, 0.3552,
0.2554

 4.4467, 0.4141,
0.1592

 144.3442, 0.3523,
0.2603

 1.9265, 0.4343,
0.1283

179.9595, 0.3497,
0.2646

 0.5642, 0.4655,
0.0819

220.9984, 0.3475,

 0.0000, 0.5225,

0.2684

0.0000

267.8455, 0.3455,
0.2718

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1690, 0.3728,
0.2258

■ 34.1690, 0.3728,
0.2258

■ 29.8057, 0.3866,
0.2155

■ 40.0687, 0.3598,
0.2396

■ 26.8249, 0.4008,
0.2098


■ 47.6337, 0.3480,
0.2558

■ 25.0448, 0.4148,
0.2092

■ 56.9819, 0.3375,
0.2732

■ 24.2643, 0.4258,
0.2119

■ 68.2202, 0.3283,
0.2911

 81.4466, 0.3205,
0.3088

 96.7525, 0.3139,
0.3258

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.



34.1690, 0.2588, 0.1840



34.1690, 0.3728, 0.2258



34.1690, 0.4841, 0.2871

Triad

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



34.1690, 0.3728, 0.2258



34.1690, 0.4301, 0.5108



34.1690, 0.1320, 0.2364

Complementary

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



34.1690, 0.3728, 0.2258



76.2005, 0.2832, 0.4688

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.



34.1690, 0.1606, 0.3433



34.1690, 0.3728, 0.2258



34.1690, 0.3303, 0.5454

Square

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



34.1690, 0.3728, 0.2258



34.1690, 0.5078, 0.4349



34.1690, 0.2312, 0.4788



34.1690, 0.1392, 0.1826

Rectangle

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



34.1690, 0.3728, 0.2258



34.1690, 0.5267, 0.3336



34.1690, 0.2312, 0.4788



34.1690, 0.1371, 0.2658

Sweetspot

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



34.1699, 0.3728, 0.2258



71.9210, 0.3259, 0.2964



21.9774, 0.2240, 0.1433



14.6274, 0.3283, 0.2913



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.



34.1699, 0.3728, 0.2258



29.0900, 0.3895, 0.2140



31.3164, 0.4749, 0.3018



18.1947, 0.3188, 0.3130



12.7072, 0.4236, 0.2107



1.2573, 0.4089, 0.2026

Inverse Universe

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



34.1699, 0.3728, 0.2258



29.0900, 0.3895, 0.2140



79.5547, 0.2491, 0.3642



18.1947, 0.3188, 0.3130



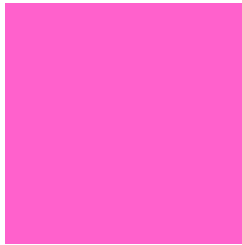
12.7072, 0.4236, 0.2107



1.2573, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 34.1690, 0.3728, 0.2258 looks on a white background.

Color Contrast Check

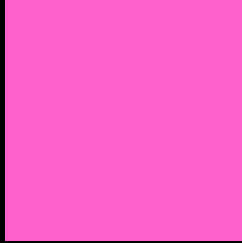
Large Text (above 18pt) WCAG AA × Fail

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 34.1690, 0.3728, 0.2258 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 34.1690, 0.3728, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 34.1690, 0.3728, 0.2258.

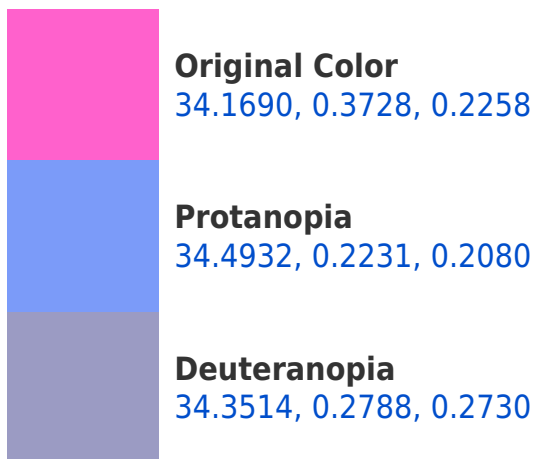


This preview shows how white text looks on a background with the Yxy color 34.1690, 0.3728, 0.2258.

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





Tritanopia

34.1597, 0.4586, 0.3212

Trichromacy



Original Color

34.1690, 0.3728, 0.2258



Protanomaly

31.5913, 0.2621, 0.2069



Deuteranomaly

32.2038, 0.3094, 0.2479



Tritanomaly

33.9942, 0.4280, 0.2842

Monochromacy



Original Color

34.1690, 0.3728, 0.2258



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.5515, 0.3354, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1690, 0.3728, 0.2258 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, 97, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 204)  
}
```

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, 97, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 204) }
```

Border

The CSS property to change the border of an element to Yxy 34.1690, 0.3728, 0.2258 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, 97, 204) }
```

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

```
.border{ border-color:rgb(255, 97, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1690, 0.3728, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 204) }
```

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

```
.background{ background-color: rgb(255, 97,  
204) }
```

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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