

Converting Colors

$Y_{xy}(37.4112, 0.3506, 0.2020)$

Have a look what the booklet for
Yxy(37.4112, 0.3506, 0.2020)
contains.

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Color

Yxy(34.9704, 0.3380, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CEC
RGB	255, 92, 236
RGB Percent	100%, 36%, 93%
CMY	0.0000, 0.6393, 0.0744
CMYK	0.00, 0.64, 0.07, 0.00
HSL	307°, 100%, 68%
HSV	307°, 64%, 100%
XYZ	60.2139, 34.9704, 82.9634
YIQ	157.1530, 50.9240, 79.3400

Conversions

Conversions Part 2

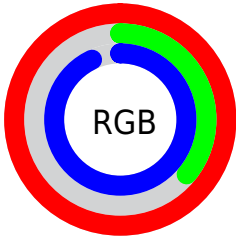
Format	Color
R _{YB}	255, 92, 236
Decimal	16735468
CIE _{Lab}	65.73, 77.16, -41.77
CIE _{LCh}	66, 87.740, 331.574
Yxy	34.9704, 0.3380, 0.1963
Android (android.graphics.Color)	4294925548 (0xFFFF5CEC)
YUV	157.1530, 38.8716, 85.8118
Hunter-Lab	59.1358, 78.2668, -41.7847

Details

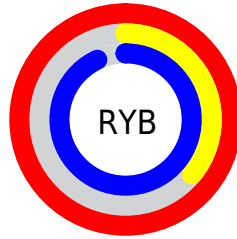
The Yxy color **34.9704, 0.3380, 0.1963** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.9412, 0.2964, 0.5161**, and the grayscale version is **33.5920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **15.1145, 0.3411, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **31.1010, 0.3425, 0.1839**, and if you desaturate by 10%, it is **40.3287, 0.3334, 0.2126**.

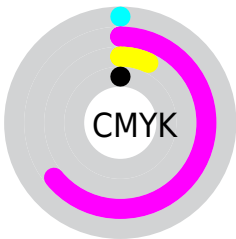
Distribution



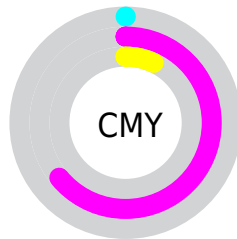
- Red (100%)
- Green (36%)
- Blue (93%)



- Red (100%)
- Yellow (36%)
- Blue (93%)



- Cyan (0%)
- Magenta (64%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9704, 0.3380, 0.1963 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 34.9704, 0.3380, 0.1963 by changing the saturation by 10% instead.

 34.9704, 0.3380,
0.1963


 34.9704, 0.3380,
0.1963


324.4377, 0.3284,
0.2566

 23.6401, 0.3396,
0.1831


 67.4399, 0.3351,
0.2168

 15.0668, 0.3412,
0.1672


 89.3479, 0.3339,
0.2249

 8.8663, 0.3427,
0.1478


 115.5505, 0.3327,
0.2319

 4.6541, 0.3436,
0.1239

 146.4322, 0.3317,
0.2381

 2.0458, 0.3429,
0.0942

182.3774, 0.3307,
0.2435

 0.6339, 0.3386,
0.0566

223.7705, 0.3299,

 0.0000, 0.3282,

0.2484

0.0000

270.9957, 0.3291,
0.2527

■ 0.0000, 0.2384,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9704, 0.3380,
0.1963

■ 34.9704, 0.3380,
0.1963

■ 31.1010, 0.3425,
0.1839

■ 40.3287, 0.3334,
0.2126

■ 28.5642, 0.3469,
0.1759

■ 47.3102, 0.3289,
0.2319

■ 27.1695, 0.3510,
0.1724

■ 56.0342, 0.3246,
0.2533

■ 26.7149, 0.3533,
0.1720

■ 66.6091, 0.3206,
0.2757

 79.1344, 0.3171,
0.2984

 93.7022, 0.3139,
0.3205

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.



34.9704, 0.2187, 0.1593



34.9704, 0.3380, 0.1963



34.9704, 0.4766, 0.2574

Triad

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



34.9704, 0.3380, 0.1963



34.9704, 0.4680, 0.5026



34.9704, 0.1161, 0.2498

Complementary

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



34.9704, 0.3380, 0.1963



74.9412, 0.2964, 0.5161

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.



34.9704, 0.1580, 0.3924



34.9704, 0.3380, 0.1963



34.9704, 0.3597, 0.5755

Square

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



34.9704, 0.3380, 0.1963



34.9704, 0.5472, 0.4114



34.9704, 0.2471, 0.5459



34.9704, 0.1145, 0.1758

Rectangle

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



34.9704, 0.3380, 0.1963



34.9704, 0.5422, 0.3054



34.9704, 0.2471, 0.5459



34.9704, 0.1249, 0.2897

Sweetspot

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



34.9705, 0.3380, 0.1963



72.5302, 0.3188, 0.2869



18.0783, 0.1968, 0.1266



14.7762, 0.3199, 0.2804



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.



34.9705, 0.3380, 0.1963



30.1875, 0.3439, 0.1809



31.3529, 0.4341, 0.2660



18.2618, 0.3156, 0.3083



13.9736, 0.3527, 0.1717



1.3704, 0.3486, 0.1694

Inverse Universe

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



34.9705, 0.3380, 0.1963



30.1875, 0.3439, 0.1809



77.5034, 0.2631, 0.4125



18.2618, 0.3156, 0.3083



13.9736, 0.3527, 0.1717



1.3704, 0.3486, 0.1694

Previews

White Background



This preview shows how the Yxy color 34.9704, 0.3380, 0.1963 looks on a white background.

Color Contrast Check

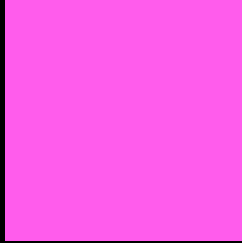
Large Text (above 18pt) WCAG AA × Fail

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 34.9704, 0.3380, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

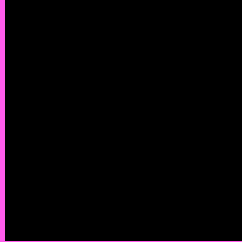
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9704, 0.3380, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 34.9704, 0.3380, 0.1963.

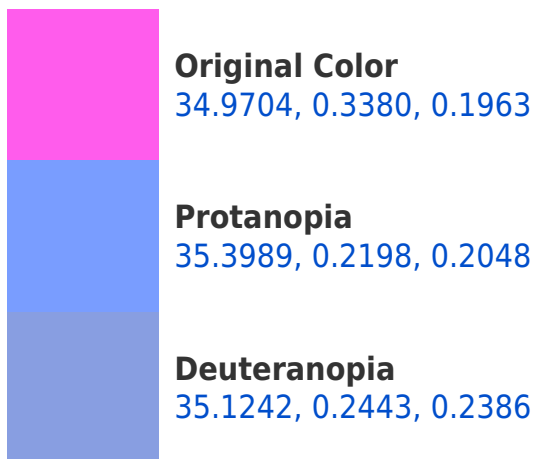


This preview shows how white text looks on a background with the Yxy color 34.9704, 0.3380, 0.1963.

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

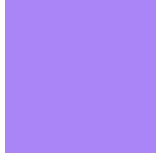
34.7909, 0.4445, 0.3198

Trichromacy



Original Color

34.9704, 0.3380, 0.1963



Protanomaly

32.0984, 0.2512, 0.1924



Deuteranomaly

32.2910, 0.2719, 0.2128



Tritanomaly

34.1899, 0.4054, 0.2689

Monochromacy



Original Color

34.9704, 0.3380, 0.1963



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.6577, 0.3233, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9704, 0.3380, 0.1963 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, 92, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 236)  
}
```

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, 92, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 236) }
```

Border

The CSS property to change the border of an element to Yxy 34.9704, 0.3380, 0.1963 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, 92, 236) }
```

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

```
.border{ border-color:rgb(255, 92, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9704, 0.3380, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 236) }
```

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

```
.background{ background-color: rgb(255, 92,  
236) }
```

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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