

Converting Colors

$Yxy(34.5647, 0.3302, 0.1872)$

Have a look what the booklet for
Yxy(34.5647, 0.3302, 0.1872)
contains.

Yxy(34.6080, 0.3303, 0.1874)	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(34.6080, 0.3303, 0.1874)

Conversions

Conversions Part 1

Format	Color
Hex	FF57F4
RGB	255, 87, 244
RGB Percent	100%, 34%, 96%
CMY	0.0000, 0.6591, 0.0431
CMYK	0.00, 0.66, 0.04, 0.00
HSL	304°, 100%, 67%
HSV	304°, 66%, 100%
XYZ	60.9980, 34.6080, 89.0685
YIQ	155.1300, 49.7310, 84.4430

Conversions

Conversions Part 2

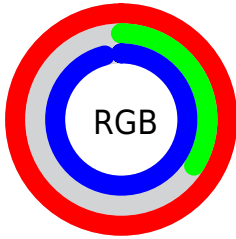
Format	Color
R _Y B	255, 87, 244
Decimal	16734196
CIE _{Lab}	65.44, 80.24, -46.63
CIE _{LCh}	65, 92.804, 329.838
Yxy	34.6080, 0.3303, 0.1874
Android (android.graphics.Color)	4294924276 (0xFFFF57F4)
YUV	155.1300, 43.8129, 87.5860
Hunter-Lab	58.8286, 82.1326, -48.5871

Details

The Yxy color **34.6080, 0.3303, 0.1874** 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 **74.4225, 0.2992, 0.5316**, and the grayscale version is **32.6041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **15.1900, 0.3315, 0.1600** is the 20% darker color. If you saturate the color by 10%, you get **31.0748, 0.3329, 0.1753**, and if you desaturate by 10%, it is **39.5762, 0.3274, 0.2035**.

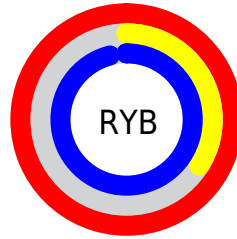
Distribution



Red (100%)

Green (34%)

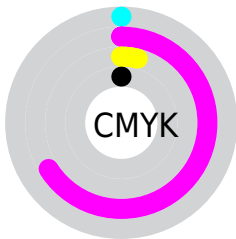
Blue (96%)



Red (100%)

Yellow (34%)

Blue (96%)

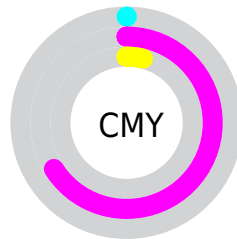


Cyan (0%)

Magenta (66%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6080, 0.3303, 0.1874 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 34.6080, 0.3303, 0.1874 by changing the saturation by 10% instead.

 34.6080, 0.3303,
0.1874


 34.6080, 0.3303,
0.1874


322.8347, 0.3250,
0.2510

 23.3611, 0.3307,
0.1737


 66.8780, 0.3291,
0.2089


 14.8603, 0.3309,
0.1574


 88.6700, 0.3284,
0.2174

 8.7214, 0.3303,
0.1376


 114.7457, 0.3278,
0.2248

 4.5599, 0.3285,
0.1135

 145.4895, 0.3271,
0.2313

 1.9915, 0.3238,
0.0844

181.2860, 0.3265,
0.2371

 0.6025, 0.3139,
0.0483

222.5194, 0.3260,

 0.0000, 0.2937,

0.2422

0.0000

269.5741, 0.3255,
0.2468

0.0000, 0.2093,
0.0000

0.0000, 0.0000,
0.0000

34.6080, 0.3303,
0.1874

34.6080, 0.3303,
0.1874

31.0748, 0.3329,
0.1753

39.5762, 0.3274,
0.2035

28.8493, 0.3354,
0.1677


46.1517, 0.3245,
0.2230


27.7196, 0.3375,
0.1643

54.4451, 0.3216,
0.2449

27.4532, 0.3384,
0.1638

64.5667, 0.3189,
0.2682

 76.6174, 0.3163,
0.2919

 90.6909, 0.3140,
0.3155

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.



34.6080, 0.2081, 0.1511



34.6080, 0.3303, 0.1874



34.6080, 0.4784, 0.2490

Triad

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



34.6080, 0.3303, 0.1874



34.6080, 0.4775, 0.5012



34.6080, 0.1090, 0.2506

Complementary

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



34.6080, 0.3303, 0.1874



74.4225, 0.2992, 0.5316

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.



34.6080, 0.1537, 0.4063



34.6080, 0.3303, 0.1874



34.6080, 0.3647, 0.5858

Square

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



34.6080, 0.3303, 0.1874



34.6080, 0.5600, 0.4053



34.6080, 0.2478, 0.5679



34.6080, 0.1060, 0.1711

Rectangle

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



34.6080, 0.3303, 0.1874



34.6080, 0.5510, 0.2977



34.6080, 0.2478, 0.5679



34.6080, 0.1185, 0.2940

Sweetspot

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



34.5966, 0.3302, 0.1874



71.4530, 0.3174, 0.2822



16.4741, 0.1884, 0.1184



14.5749, 0.3181, 0.2755



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.



34.5966, 0.3302, 0.1874



30.2578, 0.3337, 0.1725



30.6922, 0.4283, 0.2567



18.2787, 0.3148, 0.3071



14.3536, 0.3381, 0.1636



1.4035, 0.3359, 0.1624

Inverse Universe

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



34.5966, 0.3302, 0.1874



30.2578, 0.3337, 0.1725



76.8119, 0.2661, 0.4272



18.2787, 0.3148, 0.3071



14.3536, 0.3381, 0.1636



1.4035, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 34.6080, 0.3303, 0.1874 looks on a white background.

Color Contrast Check

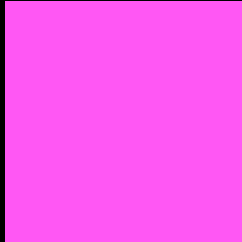
Large Text (above 18pt) WCAG AA × Fail

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 34.6080, 0.3303, 0.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

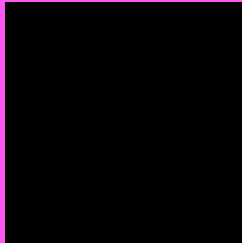
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6080, 0.3303, 0.1874

Background



This preview shows how black text looks on a background with the Yxy color 34.6080, 0.3303, 0.1874.



This preview shows how white text looks on a background with the Yxy color 34.6080, 0.3303, 0.1874.

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

34.6080, 0.3303, 0.1874

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

34.9261, 0.2347, 0.2287



Tritanopia

34.1637, 0.4444, 0.3197

Trichromacy



Original Color

34.6080, 0.3303, 0.1874



Protanomaly

31.5225, 0.2476, 0.1872



Deuteranomaly

31.6156, 0.2616, 0.2018



Tritanomaly

33.6517, 0.4025, 0.2647

Monochromacy



Original Color

34.6080, 0.3303, 0.1874



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.6295, 0.3204, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6080, 0.3303, 0.1874 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, 87, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 244)  
}
```

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, 87, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 244) }
```

Border

The CSS property to change the border of an element to Yxy 34.6080, 0.3303, 0.1874 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, 87, 244) }
```

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

```
.border{ border-color:rgb(255, 87, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6080, 0.3303, 0.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 244) }
```

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

```
.background{ background-color: rgb(255, 87,  
244) }
```

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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