

Converting Colors

$Yxy(33.6984, 0.3456, 0.1981)$

Have a look what the booklet for
Yxy(33.6984, 0.3456, 0.1981)
contains.

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Color

Yxy(33.7335, 0.3457, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	FF57E5
RGB	255, 87, 229
RGB Percent	100%, 34%, 90%
CMY	0.0001, 0.6586, 0.1021
CMYK	0.00, 0.66, 0.10, 0.00
HSL	309°, 100%, 67%
HSV	309°, 66%, 100%
XYZ	58.7786, 33.7335, 77.5156
YIQ	153.4200, 54.5460, 79.7780

Conversions

Conversions Part 2

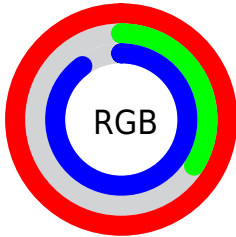
Format	Color
R_{YB}	255, 87, 229
Decimal	16734181
CIE _{Lab}	64.75, 77.93, -39.36
CIE _{LCh}	65, 87.300, 333.203
Yxy	33.7335, 0.3457, 0.1984
Android (android.graphics.Color)	4294924261 (0xFFFF57E5)
YUV	153.4200, 37.2609, 89.0857
Hunter-Lab	58.0805, 79.0043, -38.4734

Details

The Yxy color **33.7335, 0.3457, 0.1984** 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 **74.7236, 0.2939, 0.5146**, and the grayscale version is **31.8733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **14.6192, 0.3517, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **30.0890, 0.3518, 0.1873**, and if you desaturate by 10%, it is **38.8436, 0.3397, 0.2136**.

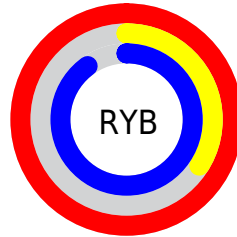
Distribution



Red (100%)

Green (34%)

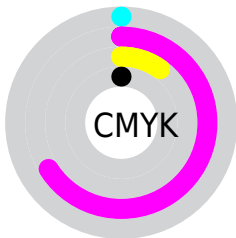
Blue (90%)



Red (100%)

Yellow (34%)

Blue (90%)

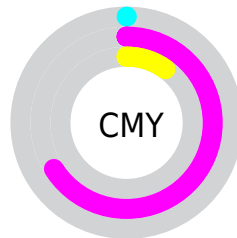


Cyan (0%)

Magenta (66%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7335, 0.3457, 0.1984 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 33.7335, 0.3457, 0.1984 by changing the saturation by 10% instead.


 33.7335, 0.3457,
0.1984


 33.7335, 0.3457,
0.1984


318.9421, 0.3320,
0.2583


 22.6889, 0.3483,
0.1852


 65.5190, 0.3413,
0.2189

 14.3640, 0.3513,
0.1692


 87.0288, 0.3395,
0.2269

 8.3743, 0.3545,
0.1495


 112.7957, 0.3379,
0.2339

 4.3354, 0.3577,
0.1251

 143.2043, 0.3365,
0.2400

 1.8629, 0.3602,
0.0947

178.6388, 0.3352,
0.2454

 0.5259, 0.3614,
0.0533

219.4836, 0.3340,

 0.0000, 0.3559,

0.2502

0.0000

266.1233, 0.3329,
0.2544

■ 0.0000, 0.2458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7335, 0.3457,
0.1984

■ 33.7335, 0.3457,
0.1984

■ 30.0890, 0.3518,
0.1873

■ 38.8436, 0.3397,
0.2136

■ 27.7439, 0.3576,
0.1806

■ 45.5523, 0.3338,
0.2318

■ 26.4997, 0.3631,
0.1786

■ 53.9833, 0.3283,
0.2522

■ 26.1854, 0.3654,
0.1786

■ 64.2468, 0.3233,
0.2737

76.4437, 0.3188,
0.2955

90.6676, 0.3148,
0.3169

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



33.7335, 0.2235, 0.1598



33.7335, 0.3457, 0.1984



33.7335, 0.4844, 0.2606

Triad

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



33.7335, 0.3457, 0.1984



33.7335, 0.4629, 0.5081



33.7335, 0.1141, 0.2434

Complementary

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



33.7335, 0.3457, 0.1984



74.7236, 0.2939, 0.5146

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.



33.7335, 0.1535, 0.3835



33.7335, 0.3457, 0.1984



33.7335, 0.3533, 0.5790

Square

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



33.7335, 0.3457, 0.1984



33.7335, 0.5453, 0.4160



33.7335, 0.2407, 0.5417



33.7335, 0.1144, 0.1726

Rectangle

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



33.7335, 0.3457, 0.1984



33.7335, 0.5473, 0.3090



33.7335, 0.2407, 0.5417



33.7335, 0.1222, 0.2821

Sweetspot

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



33.7351, 0.3457, 0.1984



71.1674, 0.3206, 0.2865



17.5045, 0.1982, 0.1231



14.5055, 0.3218, 0.2803



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.



33.7351, 0.3457, 0.1984



29.2276, 0.3536, 0.1847



30.1499, 0.4517, 0.2734



18.2492, 0.3162, 0.3091



13.7043, 0.3645, 0.1782



1.3468, 0.3587, 0.1750

Inverse Universe

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



33.7351, 0.3457, 0.1984



29.2276, 0.3536, 0.1847



77.5246, 0.2589, 0.4040



18.2492, 0.3162, 0.3091



13.7043, 0.3645, 0.1782



1.3468, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 33.7335, 0.3457, 0.1984 looks on a white background.

Color Contrast Check

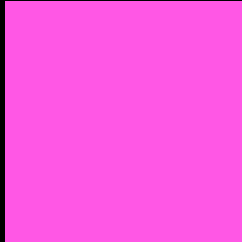
Large Text (above 18pt) WCAG AA × Fail

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 33.7335, 0.3457, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

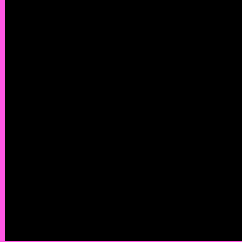
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7335, 0.3457, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 33.7335, 0.3457, 0.1984.



This preview shows how white text looks on a background with the Yxy color 33.7335, 0.3457, 0.1984.

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

33.7335, 0.3457, 0.1984

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

33.8230, 0.2486, 0.2424



Tritanopia

33.4363, 0.4548, 0.3210

Trichromacy



Original Color

33.7335, 0.3457, 0.1984



Protanomaly

30.8346, 0.2497, 0.1899



Deuteranomaly

30.9425, 0.2779, 0.2150



Tritanomaly

32.9089, 0.4147, 0.2703

Monochromacy



Original Color

33.7335, 0.3457, 0.1984



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.9839, 0.3256, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7335, 0.3457, 0.1984 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 229) }
```

Border

The CSS property to change the border of an element to Yxy 33.7335, 0.3457, 0.1984 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, 229) }
```

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

```
.border{ border-color:rgb(255, 87, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7335, 0.3457, 0.1984 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, 229) }
```

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

```
.background{ background-color: rgb(255, 87,  
229) }
```

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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