

Converting Colors

$Y_{xy}(75.6745, 0.4528, 0.2408)$

Have a look what the booklet for
Yxy(75.6745, 0.4528, 0.2408)
contains.

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Color

Yxy(33.7746, 0.3266, 0.1807)

Conversions

Conversions Part 1

Format	Color
Hex	FF50F8
RGB	255, 80, 248
RGB Percent	100%, 31%, 97%
CMY	0.0001, 0.6861, 0.0275
CMYK	0.00, 0.69, 0.03, 0.00
HSL	302°, 100%, 66%
HSV	302°, 69%, 100%
XYZ	61.0447, 33.7746, 92.0905
YIQ	151.4770, 50.3720, 89.3480

Conversions

Conversions Part 2

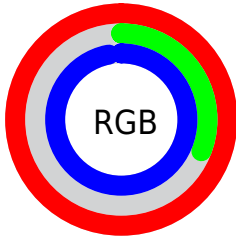
Format	Color
R _{YB}	255, 80, 248
Decimal	16732408
CIE _{Lab}	64.78, 83.19, -49.86
CIE _{LCh}	65, 96.986, 329.065
Y _{xy}	33.7746, 0.3266, 0.1807
Android (android.graphics.Color)	4294922488 (0xFFFF50F8)
YUV	151.4770, 47.5858, 90.7897
Hunter-Lab	58.1159, 85.7929, -53.2698

Details

The Yxy color **33.7746, 0.3266, 0.1807** 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 **73.9067, 0.3003, 0.5441**, and the grayscale version is **30.9451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **15.2309, 0.3248, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **30.6589, 0.3284, 0.1696**, and if you desaturate by 10%, it is **38.3097, 0.3246, 0.1960**.

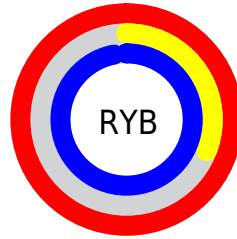
Distribution



Red (100%)

Green (31%)

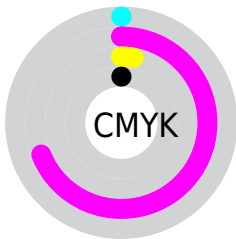
Blue (97%)



Red (100%)

Yellow (31%)

Blue (97%)

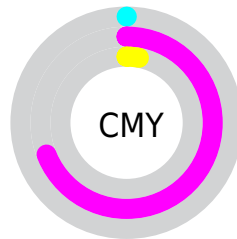


Cyan (0%)

Magenta (69%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (69%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7746, 0.3266, 0.1807 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 33.7746, 0.3266, 0.1807 by changing the saturation by 10% instead.


 33.7746, 0.3266,
0.1807


 33.7746, 0.3266,
0.1807


319.1258, 0.3235,
0.2468

 22.7205, 0.3264,
0.1666


 65.5830, 0.3262,
0.2029


 14.3873, 0.3257,
0.1499


 87.1061, 0.3259,
0.2118

 8.3905, 0.3241,
0.1297


 112.8876, 0.3255,
0.2195

 4.3458, 0.3208,
0.1055

 143.3120, 0.3251,
0.2263

 1.8688, 0.3140,
0.0767

178.7636, 0.3246,
0.2323

 0.5295, 0.3013,
0.0407

219.6269, 0.3242,

 0.0000, 0.2753,

0.2377

0.0000

266.2861, 0.3238,
0.2425

■ 0.0000, 0.1903,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7746, 0.3266,
0.1807

■ 33.7746, 0.3266,
0.1807

■ 30.6589, 0.3284,
0.1696

■ 38.3097, 0.3246,
0.1960

■ 28.7879, 0.3299,
0.1629


■ 44.4029, 0.3225,
0.2150


■ 27.9215, 0.3312,
0.1602

■ 52.1816, 0.3204,
0.2367

■ 27.8359, 0.3314,
0.1599

■ 61.7589, 0.3182,
0.2602

 73.2380, 0.3162,
0.2844

 86.7145, 0.3143,
0.3087

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



33.7746, 0.2009, 0.1444



33.7746, 0.3266, 0.1807



33.7746, 0.4830, 0.2432

Triad

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



33.7746, 0.3266, 0.1807



33.7746, 0.4832, 0.5015



33.7746, 0.1023, 0.2487

Complementary

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



33.7746, 0.3266, 0.1807



73.9067, 0.3003, 0.5441

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.



33.7746, 0.1482, 0.4151



33.7746, 0.3266, 0.1807



33.7746, 0.3658, 0.5953

Square

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



33.7746, 0.3266, 0.1807



33.7746, 0.5700, 0.4014



33.7746, 0.2454, 0.5858



33.7746, 0.0991, 0.1657

Rectangle

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



33.7746, 0.3266, 0.1807



33.7746, 0.5606, 0.2926



33.7746, 0.2454, 0.5858



33.7746, 0.1120, 0.2947

Sweetspot

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



33.7762, 0.3266, 0.1807



70.3260, 0.3167, 0.2786



14.9343, 0.1821, 0.1099



14.3601, 0.3172, 0.2719



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.



33.7762, 0.3266, 0.1807



29.8984, 0.3289, 0.1668



29.5975, 0.4315, 0.2524



18.2871, 0.3144, 0.3065



14.5523, 0.3312, 0.1598



1.4207, 0.3299, 0.1591

Inverse Universe

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



33.7762, 0.3266, 0.1807



29.8984, 0.3289, 0.1668



76.2483, 0.2667, 0.4361



18.2871, 0.3144, 0.3065



14.5523, 0.3312, 0.1598



1.4207, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 33.7746, 0.3266, 0.1807 looks on a white background.

Color Contrast Check

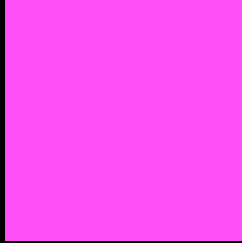
Large Text (above 18pt) WCAG AA × Fail

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 33.7746, 0.3266, 0.1807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

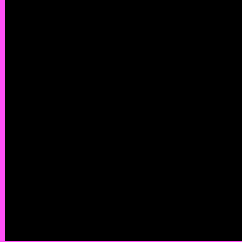
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7746, 0.3266, 0.1807

Background



This preview shows how black text looks on a background with the Yxy color 33.7746, 0.3266, 0.1807.



This preview shows how white text looks on a background with the Yxy color 33.7746, 0.3266, 0.1807.

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

33.7746, 0.3266, 0.1807

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

33.8980, 0.2284, 0.2217



Tritanopia

33.6032, 0.4492, 0.3208

Trichromacy



Original Color

33.7746, 0.3266, 0.1807



Protanomaly

30.4225, 0.2456, 0.1818



Deuteranomaly

30.2757, 0.2558, 0.1935



Tritanomaly

32.8176, 0.4036, 0.2609

Monochromacy



Original Color

33.7746, 0.3266, 0.1807



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.0312, 0.3197, 0.2496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7746, 0.3266, 0.1807 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, 80, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 248)  
}
```

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, 80, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 248) }
```

Border

The CSS property to change the border of an element to Yxy 33.7746, 0.3266, 0.1807 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, 80, 248) }
```

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

```
.border{ border-color:rgb(255, 80, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 80, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7746, 0.3266, 0.1807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 248) }
```

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

```
.background{ background-color: rgb(255, 80,  
248) }
```

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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