

Converting Colors

$Y_{xy}(33.7741, 0.2975, 0.1798)$

Have a look what the booklet for
Yxy(33.7741, 0.2975, 0.1798)
contains.

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Color

Yxy(33.7117, 0.2971, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	E766FF
RGB	231, 102, 255
RGB Percent	91%, 40%, 100%
CMY	0.0944, 0.5997, 0.0001
CMYK	0.09, 0.60, 0.00, 0.00
HSL	291°, 100%, 70%
HSV	291°, 60%, 100%
XYZ	55.7359, 33.7117, 98.1523
YIQ	158.0130, 27.7710, 74.9310

Conversions

Conversions Part 2

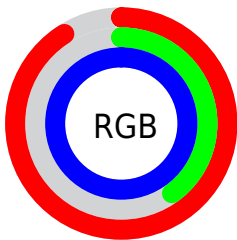
Format	Color
R_{YB}	231, 102, 255
Decimal	15165183
CIE _{Lab}	64.73, 70.52, -54.01
CIE _{LCh}	65, 88.824, 322.554
Yxy	33.7117, 0.2971, 0.1797
Android (android.graphics.Color)	4293355263 (0xFFE766FF)
YUV	158.0130, 47.8146, 64.0096
Hunter-Lab	58.0618, 69.7415, -59.5853

Details

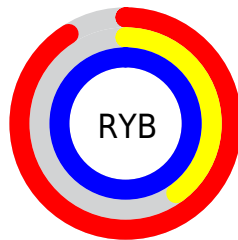
The Yxy color **33.7117, 0.2971, 0.1797** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.9065, 0.3147, 0.5174**, and the grayscale version is **33.9773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **14.3655, 0.2881, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **28.7854, 0.2931, 0.1613**, and if you desaturate by 10%, it is **40.1970, 0.3008, 0.2017**.

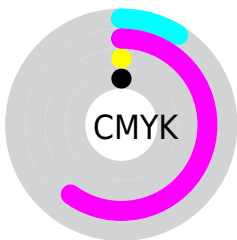
Distribution



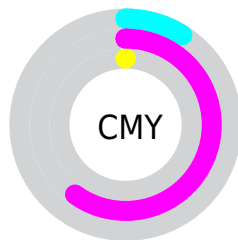
- Red (91%)
- Green (40%)
- Blue (100%)



- Red (91%)
- Yellow (40%)
- Blue (100%)



- Cyan (9%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7117, 0.2971, 0.1797 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 33.7117, 0.2971, 0.1797 by changing the saturation by 10% instead.


 33.7117, 0.2971,
0.1797

 33.7117, 0.2971,
0.1797


318.8446, 0.3084,
0.2466

 22.6722, 0.2935,
0.1654


 65.4851, 0.3018,
0.2022


 14.3517, 0.2886,
0.1485


 86.9878, 0.3034,
0.2112

 8.3657, 0.2816,
0.1281


 112.7470, 0.3047,
0.2190

 4.3298, 0.2714,
0.1037

 143.1471, 0.3058,
0.2258

 1.8597, 0.2555,
0.0747

178.5725, 0.3066,
0.2319

 0.5240, 0.2307,
0.0389

219.4077, 0.3073,

 0.0000, 0.1892,

0.2373

0.0000

266.0369, 0.3079,
0.2422

■ 0.0000, 0.0477,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7117, 0.2971,
0.1797

■ 33.7117, 0.2971,
0.1797

■ 28.7854, 0.2931,
0.1613

■ 40.1970, 0.3008,
0.2017

■ 25.2673, 0.2890,
0.1471

■ 48.3650, 0.3040,
0.2261

■ 22.9842, 0.2848,
0.1376

■ 58.3317, 0.3069,
0.2520

■ 21.6516, 0.2807,
0.1320

■ 70.2018, 0.3092,
0.2783

■ 21.6477, 0.2807,
0.1320

■ 84.0717, 0.3112,
0.3042

99.9952, 0.3127,
0.3290

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



33.7117, 0.1897, 0.1509



33.7117, 0.2971, 0.1797



33.7117, 0.4398, 0.2352

Triad

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



33.7117, 0.2971, 0.1797



33.7117, 0.4986, 0.4758



33.7117, 0.1204, 0.2837

Complementary

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



33.7117, 0.2971, 0.1797



76.9065, 0.3147, 0.5174

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.



33.7117, 0.1771, 0.4471



33.7117, 0.2971, 0.1797



33.7117, 0.3935, 0.5640

Square

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



33.7117, 0.2971, 0.1797



33.7117, 0.5644, 0.3852



33.7117, 0.2783, 0.5776



33.7117, 0.1082, 0.1888

Rectangle

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



33.7117, 0.2971, 0.1797



33.7117, 0.5221, 0.2818



33.7117, 0.2783, 0.5776



33.7117, 0.1337, 0.3322

Sweetspot

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



33.7131, 0.2971, 0.1797



72.7869, 0.3097, 0.2835



25.3702, 0.2020, 0.1643



14.7722, 0.3090, 0.2759



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.



33.7131, 0.2971, 0.1797



27.9680, 0.2923, 0.1580



35.1317, 0.3720, 0.2297



18.1473, 0.3113, 0.3054



11.3686, 0.2814, 0.1324



1.1441, 0.2861, 0.1350

Inverse Universe

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



32.2811, 0.4720, 0.3062



26.7428, 0.5241, 0.3058



76.6319, 0.2829, 0.4614



18.0336, 0.3270, 0.3253



11.2029, 0.6183, 0.3180



1.1036, 0.5908, 0.3029

Previews

White Background



This preview shows how the Yxy color 33.7117, 0.2971, 0.1797 looks on a white background.

Color Contrast Check

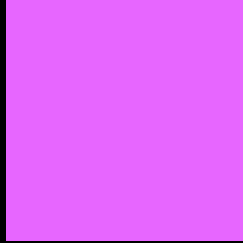
Large Text (above 18pt) WCAG AA × Fail

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 33.7117, 0.2971, 0.1797 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 33.7117, 0.2971, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 33.7117, 0.2971, 0.1797.



This preview shows how white text looks on a background with the Yxy color 33.7117, 0.2971, 0.1797.

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

33.7117, 0.2971, 0.1797

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

34.0860, 0.2189, 0.2126



Tritanopia

33.3572, 0.3959, 0.3169

Trichromacy



Original Color

33.7117, 0.2971, 0.1797



Protanomaly

31.8170, 0.2384, 0.1858



Deuteranomaly

31.6994, 0.2399, 0.1922

Tritanomaly

32.7519, 0.3564, 0.2570

Monochromacy



Original Color

33.7117, 0.2971, 0.1797



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.3415, 0.3080, 0.2573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7117, 0.2971, 0.1797 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(231, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 102, 255)  
}
```

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(231, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7117, 0.2971, 0.1797 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(231, 102, 255) }
```

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

```
.border{ border-color:rgb(231, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7117, 0.2971, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 102, 255) }
```

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

```
.background{ background-color: rgb(231,  
102, 255) }
```

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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