

Converting Colors

$Y_{xy}(33.5659, 0.2993, 0.1786)$

Have a look what the booklet for
Yxy(33.5659, 0.2993, 0.1786)
contains.

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Color

Yxy(33.4673, 0.2990, 0.1783)

Conversions

Conversions Part 1

Format	Color
Hex	E963FF
RGB	233, 99, 255
RGB Percent	91%, 39%, 100%
CMY	0.0862, 0.6118, 0.0000
CMYK	0.09, 0.61, 0.00, 0.00
HSL	292°, 100%, 69%
HSV	292°, 61%, 100%
XYZ	56.1230, 33.4673, 98.1119
YIQ	156.8500, 29.7880, 76.9240

Conversions

Conversions Part 2

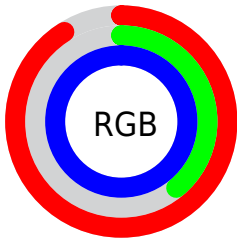
Format	Color
R _{YB}	233, 99, 255
Decimal	15295487
CIE Lab	64.54, 72.33, -54.32
CIE LCh	65, 90.453, 323.094
Yxy	33.4673, 0.2990, 0.1783
Android (android.graphics.Color)	4293485567 (0xFFE963FF)
YUV	156.8500, 48.3880, 66.7836
Hunter-Lab	57.8509, 71.9292, -60.0569

Details

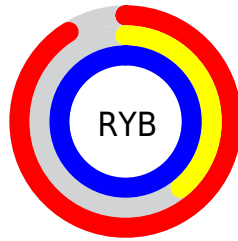
The Yxy color **33.4673, 0.2990, 0.1783** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.4820, 0.3132, 0.5220**, and the grayscale version is **33.4131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.2780, 0.2906, 0.1469** is the 20% darker color. If you saturate the color by 10%, you get **28.7786, 0.2955, 0.1607**, and if you desaturate by 10%, it is **39.6952, 0.3022, 0.1996**.

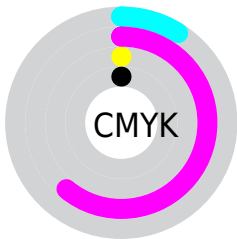
Distribution



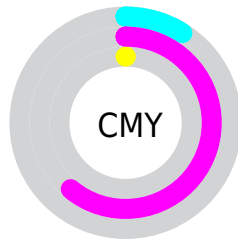
- Red (91%)
- Green (39%)
- Blue (100%)



- Red (91%)
- Yellow (39%)
- Blue (100%)



- Cyan (9%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4673, 0.2990, 0.1783 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 33.4673, 0.2990, 0.1783 by changing the saturation by 10% instead.


 33.4673, 0.2990,
0.1783

 33.4673, 0.2990,
0.1783


317.7502, 0.3095,
0.2457


 22.4847, 0.2956,
0.1640


 65.1044, 0.3035,
0.2009

 14.2135, 0.2909,
0.1469


 86.5277, 0.3049,
0.2100

 8.2693, 0.2842,
0.1265


 112.2000, 0.3061,
0.2178

 4.2677, 0.2742,
0.1021

 142.5056, 0.3071,
0.2248

 1.8244, 0.2587,
0.0732

177.8291, 0.3078,
0.2309

 0.5023, 0.2344,
0.0372

218.5547, 0.3085,

 0.0000, 0.1932,

0.2364

0.0000

265.0670, 0.3090,
0.2413

0.0000, 0.0570,
0.0000

0.0000, 0.0000,
0.0000

33.4673, 0.2990,
0.1783

33.4673, 0.2990,
0.1783

28.7786, 0.2955,
0.1607

39.6952, 0.3022,
0.1996

25.4763, 0.2919,
0.1475

47.5887, 0.3051,
0.2235

23.3824, 0.2881,
0.1388

57.2651, 0.3076,
0.2491

22.2940, 0.2849,
0.1343

68.8300, 0.3096,
0.2752

 82.3808, 0.3113,
0.3011

 98.0082, 0.3126,
0.3261

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.



33.4673, 0.1892, 0.1487



33.4673, 0.2990, 0.1783



33.4673, 0.4449, 0.2347

Triad

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



33.4673, 0.2990, 0.1783



33.4673, 0.4987, 0.4783



33.4673, 0.1169, 0.2799

Complementary

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



33.4673, 0.2990, 0.1783



76.4820, 0.3132, 0.5220

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.



33.4673, 0.1729, 0.4465



33.4673, 0.2990, 0.1783



33.4673, 0.3913, 0.5689

Square

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



33.4673, 0.2990, 0.1783



33.4673, 0.5676, 0.3861



33.4673, 0.2746, 0.5823



33.4673, 0.1056, 0.1852

Rectangle

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



33.4673, 0.2990, 0.1783



33.4673, 0.5280, 0.2819



33.4673, 0.2746, 0.5823



33.4673, 0.1299, 0.3289

Sweetspot

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



33.4685, 0.2990, 0.1783



72.9246, 0.3102, 0.2836



23.8850, 0.1991, 0.1574



14.8062, 0.3097, 0.2760



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.



33.4685, 0.2990, 0.1783



28.0806, 0.2949, 0.1580



34.3686, 0.3767, 0.2305



18.1631, 0.3115, 0.3054



11.6989, 0.2855, 0.1346



1.1731, 0.2898, 0.1370

Inverse Universe

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



31.5593, 0.4805, 0.3086



26.3252, 0.5327, 0.3087



76.4909, 0.2815, 0.4611



18.0287, 0.3272, 0.3257



11.1876, 0.6217, 0.3198



1.1013, 0.5955, 0.3054

Previews

White Background



This preview shows how the Yxy color 33.4673, 0.2990, 0.1783 looks on a white background.

Color Contrast Check

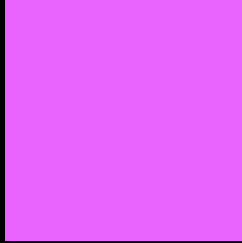
Large Text (above 18pt) WCAG AA × Fail

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 33.4673, 0.2990, 0.1783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

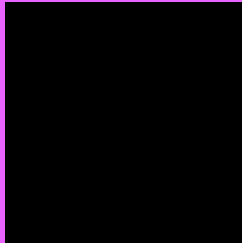
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4673, 0.2990, 0.1783

Background



This preview shows how black text looks on a background with the Yxy color 33.4673, 0.2990, 0.1783.



This preview shows how white text looks on a background with the Yxy color 33.4673, 0.2990, 0.1783.

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

33.4673, 0.2990, 0.1783

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

34.0215, 0.2184, 0.2125



Tritanopia

33.3310, 0.4008, 0.3183

Trichromacy



Original Color

33.4673, 0.2990, 0.1783



Protanomaly

31.5393, 0.2382, 0.1847



Deuteranomaly

31.4164, 0.2397, 0.1910

Tritanomaly

32.4983, 0.3612, 0.2575

Monochromacy



Original Color

33.4673, 0.2990, 0.1783



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.7729, 0.3081, 0.2547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4673, 0.2990, 0.1783 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(233, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 99, 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(233, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4673, 0.2990, 0.1783 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(233, 99, 255) }
```

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

```
.border{ border-color:rgb(233, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4673, 0.2990, 0.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 99, 255) }
```

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

```
.background{ background-color: rgb(233, 99,  
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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