

Converting Colors

$Y_{xy}(33.5028, 0.2960, 0.1791)$

Have a look what the booklet for
Yxy(33.5028, 0.2960, 0.1791)
contains.

Yxy(33.5457, 0.2962, 0.1793)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5457, 0.2962, 0.1793)

Conversions

Conversions Part 1

Format	Color
Hex	E666FF
RGB	230, 102, 255
RGB Percent	90%, 40%, 100%
CMY	0.0982, 0.5998, 0.0001
CMYK	0.10, 0.60, 0.00, 0.00
HSL	290°, 100%, 70%
HSV	290°, 60%, 100%
XYZ	55.4168, 33.5457, 98.1301
YIQ	157.7140, 27.1750, 74.7190

Conversions

Conversions Part 2

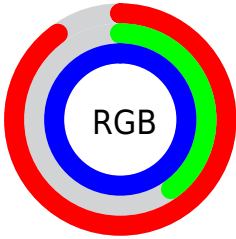
Format	Color
R _Y B	230, 102, 255
Decimal	15099647
CIE Lab	64.60, 70.29, -54.22
CIE LCh	65, 88.773, 322.354
Yxy	33.5457, 0.2962, 0.1793
Android (android.graphics.Color)	4293289727 (0xFFE666FF)
YUV	157.7140, 47.9620, 63.3948
Hunter-Lab	57.9186, 69.4320, -59.9104

Details

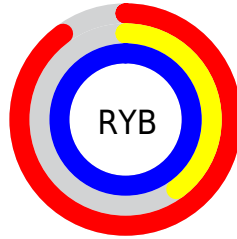
The Yxy color **33.5457, 0.2962, 0.1793** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.9748, 0.3152, 0.5171**, and the grayscale version is **33.8335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **14.2527, 0.2869, 0.1474** is the 20% darker color. If you saturate the color by 10%, you get **28.5976, 0.2921, 0.1607**, and if you desaturate by 10%, it is **40.0538, 0.3000, 0.2014**.

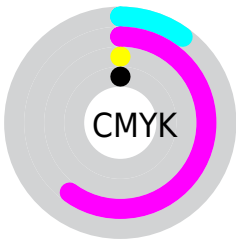
Distribution



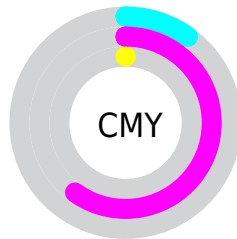
- Red (90%)
- Green (40%)
- Blue (100%)



- Red (90%)
- Yellow (40%)
- Blue (100%)



- Cyan (10%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5457, 0.2962, 0.1793 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 33.5457, 0.2962, 0.1793 by changing the saturation by 10% instead.

 33.5457, 0.2962,
0.1793


 33.5457, 0.2962,
0.1793


318.1016, 0.3080,
0.2464


 22.5448, 0.2925,
0.1650


 65.2266, 0.3011,
0.2019


 14.2578, 0.2875,
0.1480


 86.6753, 0.3028,
0.2109

 8.3002, 0.2803,
0.1276


 112.3755, 0.3041,
0.2187

 4.2876, 0.2698,
0.1031

 142.7115, 0.3052,
0.2256

 1.8357, 0.2536,
0.0741

178.0677, 0.3061,
0.2317

 0.5093, 0.2284,
0.0380

218.8286, 0.3068,

 0.0000, 0.1862,

0.2371

0.0000

265.3784, 0.3074,
0.2420

■ 0.0000, 0.0399,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5457, 0.2962,
0.1793

■ 33.5457, 0.2962,
0.1793

■ 28.5976, 0.2921,
0.1607

■ 40.0538, 0.3000,
0.2014

■ 25.0588, 0.2877,
0.1464

■ 48.2457, 0.3035,
0.2260

■ 22.7561, 0.2834,
0.1368

■ 58.2374, 0.3065,
0.2519

■ 21.4049, 0.2791,
0.1311

■ 70.1336, 0.3090,
0.2783

■ 21.4013, 0.2790,
0.1311

■ 84.0307, 0.3111,
0.3042

99.9930, 0.3127,
0.3290

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



33.5457, 0.1891, 0.1506



33.5457, 0.2962, 0.1793



33.5457, 0.4390, 0.2347

Triad

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



33.5457, 0.2962, 0.1793



33.5457, 0.4993, 0.4752



33.5457, 0.1205, 0.2846

Complementary

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



33.5457, 0.2962, 0.1793



76.9748, 0.3152, 0.5171

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.



33.5457, 0.1775, 0.4484



33.5457, 0.2962, 0.1793



33.5457, 0.3943, 0.5637

Square

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



33.5457, 0.2962, 0.1793



33.5457, 0.5648, 0.3846



33.5457, 0.2790, 0.5783



33.5457, 0.1080, 0.1891

Rectangle

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



33.5457, 0.2962, 0.1793



33.5457, 0.5217, 0.2813



33.5457, 0.2790, 0.5783



33.5457, 0.1338, 0.3333

Sweetspot

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



33.5471, 0.2962, 0.1793



72.7335, 0.3095, 0.2834



25.3662, 0.2020, 0.1643



14.7590, 0.3088, 0.2758



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.



33.5471, 0.2962, 0.1793



27.7791, 0.2912, 0.1575



35.1275, 0.3720, 0.2297



18.1411, 0.3112, 0.3054



11.2422, 0.2798, 0.1315



1.1329, 0.2847, 0.1342

Inverse Universe

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



32.3023, 0.4707, 0.3052



26.7657, 0.5225, 0.3048



76.6256, 0.2829, 0.4614



18.0355, 0.3268, 0.3251



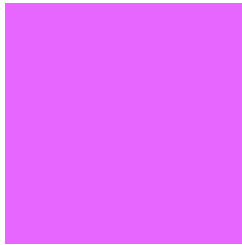
11.2093, 0.6169, 0.3172



1.1045, 0.5890, 0.3019

Previews

White Background



This preview shows how the Yxy color 33.5457, 0.2962, 0.1793 looks on a white background.

Color Contrast Check

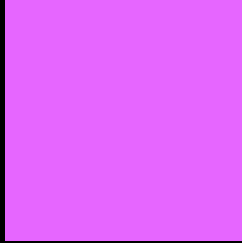
Large Text (above 18pt) WCAG AA × Fail

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 33.5457, 0.2962, 0.1793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

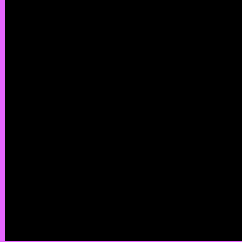
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5457, 0.2962, 0.1793

Background



This preview shows how black text looks on a background with the Yxy color 33.5457, 0.2962, 0.1793.



This preview shows how white text looks on a background with the Yxy color 33.5457, 0.2962, 0.1793.

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

33.5457, 0.2962, 0.1793

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

34.0215, 0.2184, 0.2125



Tritanopia

33.2053, 0.3948, 0.3169

Trichromacy



Original Color

33.5457, 0.2962, 0.1793



Protanomaly

31.7160, 0.2376, 0.1856



Deuteranomaly

31.6009, 0.2392, 0.1920

Tritanomaly

32.5954, 0.3554, 0.2567

Monochromacy



Original Color

33.5457, 0.2962, 0.1793



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2176, 0.3070, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5457, 0.2962, 0.1793 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(230, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.5457, 0.2962, 0.1793 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(230, 102, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 102, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 102, 255); box-shadow:4px 4px 4px 4px rgb(230, 102, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5457, 0.2962, 0.1793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 102, 255) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor