

Converting Colors

$Y_{xy}(33.1180, 0.2423, 0.1806)$

Have a look what the booklet for
Yxy(33.1180, 0.2423, 0.1806)
contains.

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Color

Yxy(32.5411, 0.2470, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	AA85FF
RGB	170, 133, 255
RGB Percent	67%, 52%, 100%
CMY	0.3330, 0.4785, 0.0000
CMYK	0.33, 0.48, 0.00, 0.00
HSL	258°, 100%, 76%
HSV	258°, 48%, 100%
XYZ	43.0281, 32.5411, 98.6337
YIQ	157.9710, -17.1100, 45.7860

Conversions

Conversions Part 2

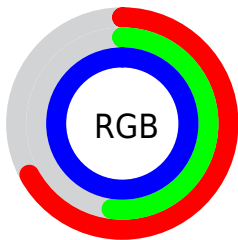
Format	Color
R _Y B	170, 133, 255
Decimal	11175423
CIE Lab	63.79, 40.01, -55.95
CIE LCh	64, 68.784, 305.567
Yxy	32.5411, 0.2470, 0.1868
Android (android.graphics.Color)	4289365503 (0xFFAA85FF)
YUV	157.9710, 47.8353, 10.5494
Hunter-Lab	57.0448, 34.8117, -62.5844

Details

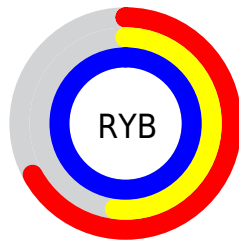
The Yxy color **32.5411, 0.2470, 0.1868** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.1024, 0.3577, 0.4576**, and the grayscale version is **33.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2546, 0.2954, 0.2581**, and **13.6225, 0.2259, 0.1537** is the 20% darker color. If you saturate the color by 10%, you get **24.5408, 0.2297, 0.1550**, and if you desaturate by 10%, it is **42.5032, 0.2636, 0.2195**.

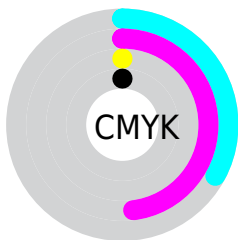
Distribution



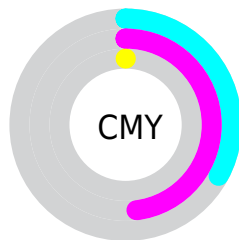
- Red (67%)
- Green (52%)
- Blue (100%)



- Red (67%)
- Yellow (52%)
- Blue (100%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5411, 0.2470, 0.1868 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 32.5411, 0.2470, 0.1868 by changing the saturation by 10% instead.

 32.5411, 0.2470,
0.1868

 32.5411, 0.2470,
0.1868


313.5768, 0.2819,
0.2528


 21.7751, 0.2381,
0.1722


 63.6584, 0.2599,
0.2094

 13.6918, 0.2267,
0.1547


 84.7785, 0.2647,
0.2183

 7.9066, 0.2118,
0.1334


 110.1188, 0.2687,
0.2260

 4.0352, 0.1917,
0.1075

140.0637, 0.2722,
0.2328

 1.6933, 0.1640,
0.0765

174.9976, 0.2751,
0.2387

 0.4193, 0.1261,
0.0354

215.3048, 0.2777,


 0.0000, 0.0579,


0.2439


0.0000


261.3697, 0.2799,
0.2486

 0.0000, 0.0000,
0.0000

 32.5411, 0.2470,
0.1868

 32.5411, 0.2470,
0.1868


 24.5408, 0.2297,
0.1550


 42.5032, 0.2636,
0.2195


 18.3663, 0.2124,
0.1259


 54.5488, 0.2789,
0.2514

 13.8645, 0.1963,
0.1015

 68.7902, 0.2925,
0.2815

 10.8559, 0.1823,
0.0835

 85.3315, 0.3045,
0.3091

 9.1031, 0.1711,
0.0723

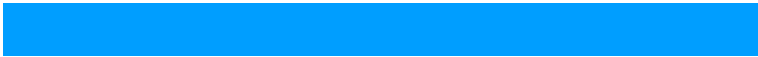
100.0000, 0.3127,
0.3290

■ 8.8199, 0.1690,
0.0705

Harmonies

Analogous

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



32.5411, 0.1778, 0.1765



32.5411, 0.2470, 0.1868



32.5411, 0.3501, 0.2230

Triad

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



32.5411, 0.2470, 0.1868



32.5411, 0.5064, 0.4197



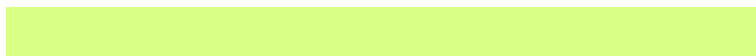
32.5411, 0.1780, 0.3645

Complementary

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



32.5411, 0.2470, 0.1868



88.1024, 0.3577, 0.4576

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.



32.5411, 0.2520, 0.4846



32.5411, 0.2470, 0.1868



32.5411, 0.4406, 0.4916

Square

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



32.5411, 0.2470, 0.1868



32.5411, 0.5183, 0.3469



32.5411, 0.3483, 0.5310



32.5411, 0.1431, 0.2564

Rectangle

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



32.5411, 0.2470, 0.1868



32.5411, 0.4249, 0.2591



32.5411, 0.3483, 0.5310



32.5411, 0.1987, 0.4073

Sweetspot

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



32.5413, 0.2470, 0.1868



74.8882, 0.2973, 0.2924



62.5502, 0.2411, 0.2852



15.2894, 0.2947, 0.2863



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.



32.5413, 0.2470, 0.1868



25.1510, 0.2312, 0.1576



40.9086, 0.2970, 0.2050



17.6455, 0.3026, 0.3048



4.6766, 0.1705, 0.0713



0.5097, 0.1823, 0.0778

Inverse Universe

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



43.0837, 0.3525, 0.2439



37.0300, 0.3632, 0.2298



80.4187, 0.3189, 0.4752



18.2008, 0.3185, 0.3126



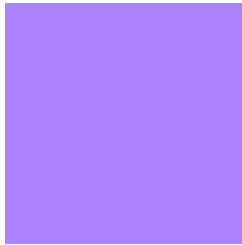
12.8051, 0.4164, 0.2068



1.2663, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 32.5411, 0.2470, 0.1868 looks on a white background.

Color Contrast Check

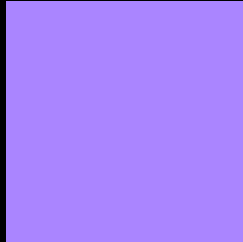
Large Text (above 18pt) WCAG AA × Fail

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 32.5411, 0.2470, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

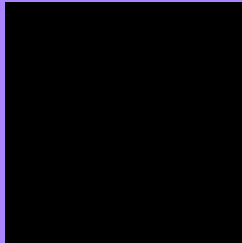
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5411, 0.2470, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 32.5411, 0.2470, 0.1868.



This preview shows how white text looks on a background with the Yxy color 32.5411, 0.2470, 0.1868.

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

32.5411, 0.2470, 0.1868

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.8862, 0.2096, 0.2033



Tritanopia

32.5398, 0.3000, 0.3110

Trichromacy



Original Color

32.5411, 0.2470, 0.1868

Protanomaly

32.1531, 0.2235, 0.1906

Deuteranomaly

32.1808, 0.2202, 0.1952

Tritanomaly

32.0059, 0.2792, 0.2570

Monochromacy



Original Color

32.5411, 0.2470, 0.1868

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.0265, 0.2862, 0.2679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5411, 0.2470, 0.1868 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(170, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 133, 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(170, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.5411, 0.2470, 0.1868 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(170, 133, 255) }
```

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

```
.border{ border-color:rgb(170, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5411, 0.2470, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 133, 255) }
```

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

```
.background{ background-color: rgb(170,  
133, 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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