

Converting Colors

$Y_{xy}(32.6033, 0.2749, 0.1806)$

Have a look what the booklet for
Yxy(32.6033, 0.2749, 0.1806)
contains.

Yxy(32.6033, 0.2749, 0.1806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.6033, 0.2749, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	CE73FF
RGB	206, 115, 255
RGB Percent	81%, 45%, 100%
CMY	0.1923, 0.5489, 0.0000
CMYK	0.19, 0.55, 0.00, 0.00
HSL	279°, 100%, 73%
HSV	279°, 55%, 100%
XYZ	49.6271, 32.6033, 98.2973
YIQ	158.1690, 9.2960, 62.8320

Conversions

Conversions Part 2

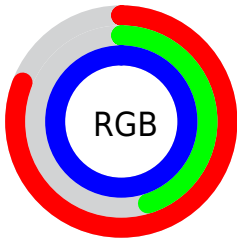
Format	Color
R _Y B	206, 115, 255
Decimal	13530111
CIE Lab	63.84, 58.49, -55.64
CIE LCh	64, 80.730, 316.429
Yxy	32.6033, 0.2749, 0.1806
Android (android.graphics.Color)	4291720191 (0xFFCE73FF)
YUV	158.1690, 47.7377, 41.9478
Hunter-Lab	57.0993, 55.2170, -62.0991

Details

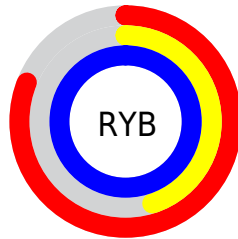
The Yxy color **32.6033, 0.2749, 0.1806** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.6583, 0.3308, 0.4925**, and the grayscale version is **34.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **13.7106, 0.2600, 0.1481** is the 20% darker color. If you saturate the color by 10%, you get **26.3265, 0.2655, 0.1564**, and if you desaturate by 10%, it is **40.5616, 0.2838, 0.2074**.

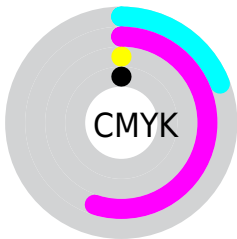
Distribution



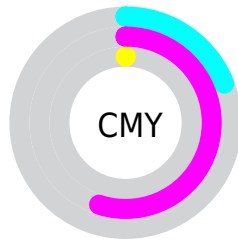
- Red (81%)
- Green (45%)
- Blue (100%)



- Red (81%)
- Yellow (45%)
- Blue (100%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6033, 0.2749, 0.1806 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 32.6033, 0.2749, 0.1806 by changing the saturation by 10% instead.

 32.6033, 0.2749,
0.1806


 32.6033, 0.2749,
0.1806


313.8584, 0.2969,
0.2480


 21.8227, 0.2688,
0.1660


 63.7557, 0.2834,
0.2034

 13.7267, 0.2609,
0.1487


 84.8963, 0.2864,
0.2125

 7.9308, 0.2501,
0.1278

 110.2590, 0.2890,
0.2204

 4.0507, 0.2349,
0.1026

140.2283, 0.2911,
0.2273

 1.7020, 0.2129,
0.0727

175.1884, 0.2929,
0.2334

 0.4249, 0.1807,
0.0338

215.5239, 0.2944,


 0.0000, 0.1302,


0.2388


0.0000


261.6191, 0.2957,
0.2437

 0.0000, 0.0000,
0.0000


 32.6033, 0.2749,
0.1806


 32.6033, 0.2749,
0.1806


 26.3265, 0.2655,
0.1564

 40.5616, 0.2838,
0.2074


 21.5927, 0.2558,
0.1359


 50.3222, 0.2919,
0.2354


 18.2424, 0.2463,
0.1202

 61.9957, 0.2990,
0.2636

 16.0792, 0.2372,
0.1096

 75.6835, 0.3052,
0.2910

 15.2899, 0.2328,
0.1056

 91.4795, 0.3105,
0.3169

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.



32.6033, 0.1828, 0.1586



32.6033, 0.2749, 0.1806



32.6033, 0.4034, 0.2292

Triad

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



32.6033, 0.2749, 0.1806



32.6033, 0.5067, 0.4540



32.6033, 0.1397, 0.3157

Complementary

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



32.6033, 0.2749, 0.1806



80.6583, 0.3308, 0.4925

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.



32.6033, 0.2047, 0.4683



32.6033, 0.2749, 0.1806



32.6033, 0.4148, 0.5363

Square

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



32.6033, 0.2749, 0.1806



32.6033, 0.5525, 0.3708



32.6033, 0.3064, 0.5638



32.6033, 0.1189, 0.2123

Rectangle

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



32.6033, 0.2749, 0.1806



32.6033, 0.4856, 0.2725



32.6033, 0.3064, 0.5638



32.6033, 0.1561, 0.3641

Sweetspot

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



32.6036, 0.2749, 0.1806



74.0633, 0.3046, 0.2880



38.2669, 0.2193, 0.2162



15.2235, 0.3033, 0.2824



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.



32.6036, 0.2749, 0.1806



25.7281, 0.2644, 0.1539



39.6035, 0.3361, 0.2128



17.9633, 0.3082, 0.3052



8.0758, 0.2342, 0.1064



0.8473, 0.2441, 0.1118

Inverse Universe

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



36.2106, 0.4173, 0.2794



30.0929, 0.4521, 0.2733



76.8793, 0.2967, 0.4842



18.0922, 0.3239, 0.3207



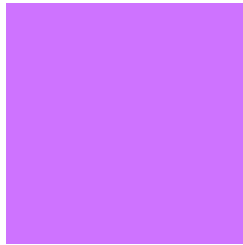
11.5141, 0.5582, 0.2849



1.1409, 0.5267, 0.2675

Previews

White Background



This preview shows how the Yxy color 32.6033, 0.2749, 0.1806 looks on a white background.

Color Contrast Check

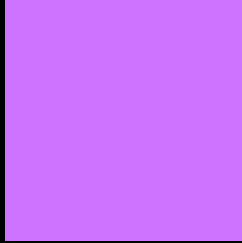
Large Text (above 18pt) WCAG AA × Fail

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 32.6033, 0.2749, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

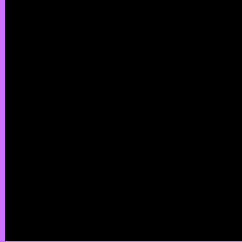
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6033, 0.2749, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 32.6033, 0.2749, 0.1806.



This preview shows how white text looks on a background with the Yxy color 32.6033, 0.2749, 0.1806.

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

32.6033, 0.2749, 0.1806

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

32.9829, 0.2130, 0.2067



Tritanopia

32.5602, 0.3544, 0.3155

Trichromacy



Original Color

32.6033, 0.2749, 0.1806



Protanomaly

31.7962, 0.2307, 0.1875



Deuteranomaly

31.2337, 0.2295, 0.1914



Tritanomaly

31.9124, 0.3234, 0.2567

Monochromacy



Original Color

32.6033, 0.2749, 0.1806



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.3102, 0.2981, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6033, 0.2749, 0.1806 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(206, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 115, 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(206, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.6033, 0.2749, 0.1806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

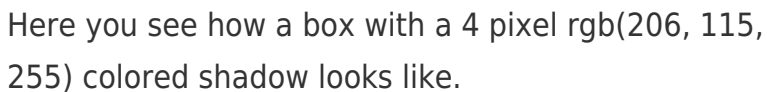
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 115, 255) }
```

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

```
.border{ border-color:rgb(206, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6033, 0.2749, 0.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 115, 255) }
```

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

```
.background{ background-color: rgb(206,  
115, 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