

Converting Colors

$Y_{xy}(32.8017, 0.2582, 0.1972)$

Have a look what the booklet for
Yxy(32.8017, 0.2582, 0.1972)
contains.

Yxy(32.8729, 0.2581, 0.1977)	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(32.8729, 0.2581, 0.1977)

Conversions

Conversions Part 1

Format	Color
Hex	B086F5
RGB	176, 134, 245
RGB Percent	69%, 53%, 96%
CMY	0.3097, 0.4745, 0.0391
CMYK	0.28, 0.45, 0.00, 0.04
HSL	263°, 85%, 74%
HSV	263°, 45%, 96%
XYZ	42.9160, 32.8729, 90.4878
YIQ	159.2120, -10.5990, 43.4250

Conversions

Conversions Part 2

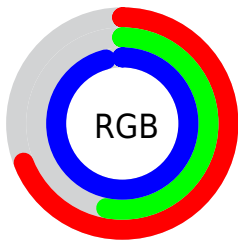
Format	Color
R _Y B	176, 134, 245
Decimal	11568885
CIE Lab	64.06, 38.51, -50.00
CIE LCh	64, 63.115, 307.601
Yxy	32.8729, 0.2581, 0.1977
Android (android.graphics.Color)	4289758965 (0xFFB086F5)
YUV	159.2120, 42.2935, 14.7231
Hunter-Lab	57.3349, 33.2738, -53.4390

Details

The Yxy color **32.8729, 0.2581, 0.1977** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **79.7367, 0.3499, 0.4530**, and the grayscale version is **34.5806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6789, 0.2999, 0.2601**, and **13.8104, 0.2402, 0.1666** is the 20% darker color. If you saturate the color by 10%, you get **25.1912, 0.2425, 0.1666**, and if you desaturate by 10%, it is **42.3251, 0.2727, 0.2293**.

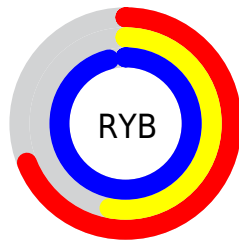
Distribution



Red (69%)

Green (53%)

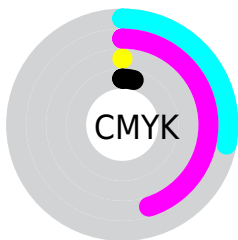
Blue (96%)



Red (69%)

Yellow (53%)

Blue (96%)

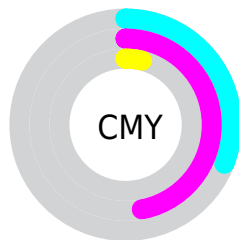


Cyan (28%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (31%)


Magenta (47%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8729, 0.2581, 0.1977 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 32.8729, 0.2581, 0.1977 by changing the saturation by 10% instead.


 32.8729, 0.2581,
0.1977


 32.8729, 0.2581,
0.1977


315.0766, 0.2875,
0.2594

 22.0291, 0.2504,
0.1838


 64.1770, 0.2691,
0.2191

 13.8783, 0.2405,
0.1669


 85.4062, 0.2732,
0.2274

 8.0361, 0.2273,
0.1461


 110.8659, 0.2765,
0.2346

 4.1180, 0.2090,
0.1202

140.9405, 0.2794,
0.2409

 1.7398, 0.1831,
0.0882

176.0145, 0.2819,
0.2464

 0.4492, 0.1459,
0.0442

216.4723, 0.2840,

 0.0000, 0.0704,

0.2512

0.0000

262.6982, 0.2859,
0.2555

0.0000, 0.0000,
0.0000

32.8729, 0.2581,
0.1977

32.8729, 0.2581,
0.1977

25.1912, 0.2425,
0.1666

42.3251, 0.2727,
0.2293

19.1598, 0.2265,
0.1377

53.6496, 0.2860,
0.2601

14.6488, 0.2109,
0.1128

66.9448, 0.2977,
0.2891

11.5065, 0.1967,
0.0935

82.3010, 0.3079,
0.3158

9.5466, 0.1844,
0.0806

98.8392, 0.3167,
0.3386

■ 8.9075, 0.1794,
0.0762

■ 99.3740, 0.3185,
0.3386

Harmonies

Analogous

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



32.8729, 0.1904, 0.1865



32.8729, 0.2581, 0.1977



32.8729, 0.3547, 0.2336

Triad

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



32.8729, 0.2581, 0.1977



32.8729, 0.4903, 0.4214



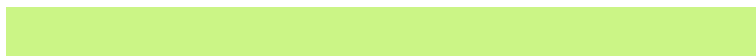
32.8729, 0.1849, 0.3546

Complementary

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



32.8729, 0.2581, 0.1977



79.7367, 0.3499, 0.4530

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.



32.8729, 0.2526, 0.4633



32.8729, 0.2581, 0.1977



32.8729, 0.4285, 0.4852

Square

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



32.8729, 0.2581, 0.1977



32.8729, 0.5032, 0.3528



32.8729, 0.3420, 0.5131



32.8729, 0.1535, 0.2582

Rectangle

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



32.8729, 0.2581, 0.1977



32.8729, 0.4221, 0.2684



32.8729, 0.3420, 0.5131



32.8729, 0.2038, 0.3927

Sweetspot

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



32.8742, 0.2581, 0.1977



75.3317, 0.2991, 0.2926



54.9961, 0.2430, 0.2785



15.3967, 0.2968, 0.2866



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.



32.8742, 0.2581, 0.1977



28.4938, 0.2444, 0.1703



40.5015, 0.3047, 0.2138



16.2323, 0.3039, 0.3049



4.8706, 0.1810, 0.0771



0.4850, 0.1948, 0.0847

Inverse Universe

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



40.7767, 0.3580, 0.2563



38.3588, 0.3708, 0.2435



73.4106, 0.3144, 0.4680



16.6557, 0.3196, 0.3144



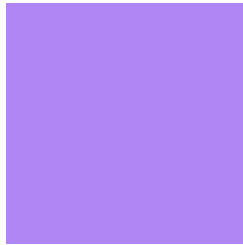
11.7118, 0.4454, 0.2227



1.0493, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 32.8729, 0.2581, 0.1977 looks on a white background.

Color Contrast Check

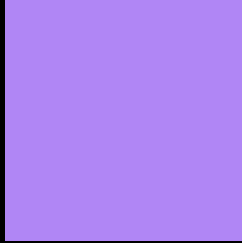
Large Text (above 18pt) WCAG AA × Fail

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 32.8729, 0.2581, 0.1977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

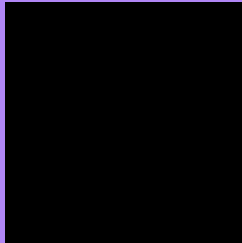
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8729, 0.2581, 0.1977

Background



This preview shows how black text looks on a background with the Yxy color 32.8729, 0.2581, 0.1977.



This preview shows how white text looks on a background with the Yxy color 32.8729, 0.2581, 0.1977.

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

32.8729, 0.2581, 0.1977

Protanopia

33.2539, 0.2148, 0.1972

Deuteranopia

33.1731, 0.2201, 0.2138



Tritanopia

32.7139, 0.3106, 0.3114

Trichromacy



Original Color

32.8729, 0.2581, 0.1977

Protanomaly

32.5342, 0.2281, 0.1961

Deuteranomaly

32.4291, 0.2318, 0.2063

Tritanomaly

32.2080, 0.2896, 0.2630

Monochromacy



Original Color

32.8729, 0.2581, 0.1977

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.5297, 0.2914, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8729, 0.2581, 0.1977 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(176, 134, 245)` looks like.

```
.text, #text, p{  
    color:rgb(176, 134, 245)  
}
```

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(176, 134, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 134, 245) }
```

Border

The CSS property to change the border of an element to Yxy 32.8729, 0.2581, 0.1977 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(176, 134, 245) }
```

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

```
.border{ border-color:rgb(176, 134, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 134, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 134, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 134, 245); box-shadow:4px 4px 4px 4px rgb(176, 134, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8729, 0.2581, 0.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 134, 245) }
```

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

```
.background{ background-color: rgb(176,  
134, 245) }
```

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