

Converting Colors

$Y_{xy}(32.7234, 0.2689, 0.1825)$

Have a look what the booklet for
Yxy(32.7234, 0.2689, 0.1825)
contains.

Yxy(32.7951, 0.2692, 0.1827)	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(32.7951, 0.2692, 0.1827)

Conversions

Conversions Part 1

Format	Color
Hex	C778FF
RGB	199, 120, 255
RGB Percent	78%, 47%, 100%
CMY	0.2195, 0.5294, 0.0000
CMYK	0.22, 0.53, 0.00, 0.00
HSL	275°, 100%, 74%
HSV	275°, 53%, 100%
XYZ	48.3221, 32.7951, 98.3853
YIQ	159.0110, 3.7490, 58.7330

Conversions

Conversions Part 2

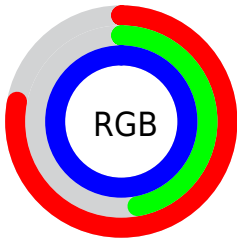
Format	Color
R_{YB}	199, 120, 255
Decimal	13072639
CIE _{Lab}	63.99, 54.26, -55.43
CIE _{LCh}	64, 77.566, 314.386
Yxy	32.7951, 0.2692, 0.1827
Android (android.graphics.Color)	4291262719 (0xFFC778FF)
YUV	159.0110, 47.3226, 35.0704
Hunter-Lab	57.2670, 50.4015, -61.7739

Details

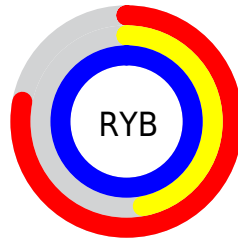
The Yxy color **32.7951, 0.2692, 0.1827** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **82.0988, 0.3361, 0.4836**, and the grayscale version is **34.4558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **13.8423, 0.2537, 0.1504** is the 20% darker color. If you saturate the color by 10%, you get **26.0618, 0.2581, 0.1566**, and if you desaturate by 10%, it is **41.2641, 0.2796, 0.2109**.

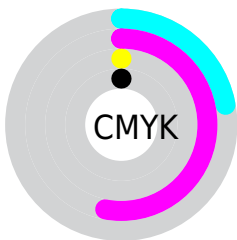
Distribution



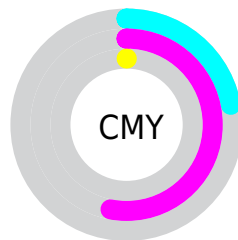
- Red (78%)
- Green (47%)
- Blue (100%)



- Red (78%)
- Yellow (47%)
- Blue (100%)



- Cyan (22%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7951, 0.2692, 0.1827 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 32.7951, 0.2692, 0.1827 by changing the saturation by 10% instead.

 32.7951, 0.2692,
0.1827


 32.7951, 0.2692,
0.1827


314.7254, 0.2938,
0.2495


 21.9695, 0.2626,
0.1682


 64.0555, 0.2786,
0.2054

 13.8345, 0.2539,
0.1509


 85.2591, 0.2820,
0.2143

 8.0057, 0.2423,
0.1300


 110.6909, 0.2848,
0.2221

 4.0986, 0.2261,
0.1047

140.7351, 0.2872,
0.2290

 1.7289, 0.2029,
0.0746

175.7763, 0.2892,
0.2350

 0.4422, 0.1693,
0.0356

216.1989, 0.2909,


 0.0000, 0.1171,


0.2404


0.0000

262.3871, 0.2925,
0.2452


 0.0000, 0.0000,
0.0000

 32.7951, 0.2692,
0.1827


 32.7951, 0.2692,
0.1827

 26.0618, 0.2581,
0.1566


 41.2641, 0.2796,
0.2109


 20.9256, 0.2468,
0.1341


 51.5850, 0.2891,
0.2399


 17.2321, 0.2356,
0.1162

 63.8682, 0.2976,
0.2685

 14.7929, 0.2251,
0.1037

 78.2144, 0.3049,
0.2960

 13.6341, 0.2182,
0.0976

 94.7169, 0.3111,
0.3218

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



32.7951, 0.1825, 0.1631



32.7951, 0.2692, 0.1827



32.7951, 0.3914, 0.2286

Triad

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



32.7951, 0.2692, 0.1827



32.7951, 0.5065, 0.4467



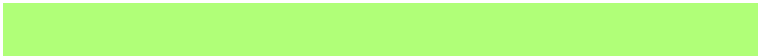
32.7951, 0.1483, 0.3261

Complementary

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



32.7951, 0.2692, 0.1827



82.0988, 0.3361, 0.4836

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.



32.7951, 0.2153, 0.4712



32.7951, 0.2692, 0.1827



32.7951, 0.4204, 0.5256

Square

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



32.7951, 0.2692, 0.1827



32.7951, 0.5446, 0.3664



32.7951, 0.3157, 0.5551



32.7951, 0.1246, 0.2219

Rectangle

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



32.7951, 0.2692, 0.1827



32.7951, 0.4716, 0.2704



32.7951, 0.3157, 0.5551



32.7951, 0.1656, 0.3733

Sweetspot

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



32.7964, 0.2692, 0.1827



73.6059, 0.3027, 0.2878



42.3593, 0.2244, 0.2298



15.1142, 0.3013, 0.2821



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.



32.7964, 0.2692, 0.1827



25.4464, 0.2569, 0.1541



41.2070, 0.3288, 0.2109



17.9031, 0.3071, 0.3051



7.2142, 0.2197, 0.0984



0.7665, 0.2309, 0.1046

Inverse Universe

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



37.8243, 0.4013, 0.2721



31.3992, 0.4311, 0.2636



77.1543, 0.3000, 0.4861



18.1120, 0.3229, 0.3192



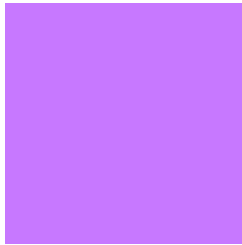
11.6777, 0.5324, 0.2707



1.1582, 0.5028, 0.2544

Previews

White Background



This preview shows how the Yxy color 32.7951, 0.2692, 0.1827 looks on a white background.

Color Contrast Check

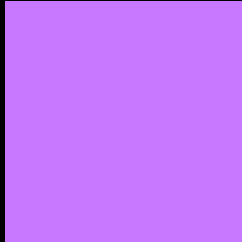
Large Text (above 18pt) WCAG AA × Fail

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 32.7951, 0.2692, 0.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

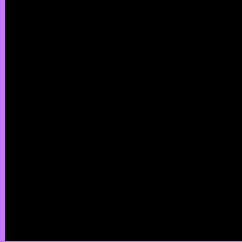
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7951, 0.2692, 0.1827

Background



This preview shows how black text looks on a background with the Yxy color 32.7951, 0.2692, 0.1827.



This preview shows how white text looks on a background with the Yxy color 32.7951, 0.2692, 0.1827.

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

32.7951, 0.2692, 0.1827

Protanopia

33.1872, 0.2143, 0.1971

Deuteranopia

33.0448, 0.2126, 0.2058



Tritanopia

32.7184, 0.3420, 0.3138

Trichromacy



Original Color

32.7951, 0.2692, 0.1827



Protanomaly

31.9055, 0.2296, 0.1882



Deuteranomaly

31.6294, 0.2275, 0.1924



Tritanomaly

32.2329, 0.3130, 0.2567

Monochromacy



Original Color

32.7951, 0.2692, 0.1827



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1445, 0.2963, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7951, 0.2692, 0.1827 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(199, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 120, 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(199, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7951, 0.2692, 0.1827 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(199, 120, 255) }
```

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

```
.border{ border-color:rgb(199, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7951, 0.2692, 0.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 120, 255) }
```

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

```
.background{ background-color: rgb(199,  
120, 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