

Converting Colors

$Y_{xy}(32.7767, 0.2961, 0.2181)$

Have a look what the booklet for
Yxy(32.7767, 0.2961, 0.2181)
contains.

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Color

Yxy(32.5948, 0.2955, 0.2173)

Conversions

Conversions Part 1

Format	Color
Hex	C77FDE
RGB	199, 127, 222
RGB Percent	78%, 50%, 87%
CMY	0.2197, 0.5019, 0.1293
CMYK	0.10, 0.43, 0.00, 0.13
HSL	285°, 59%, 68%
HSV	285°, 43%, 87%
XYZ	44.3247, 32.5948, 73.0796
YIQ	159.3580, 12.4170, 44.8090

Conversions

Conversions Part 2

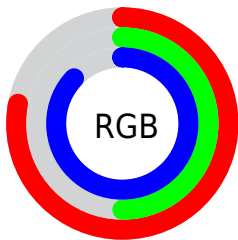
Format	Color
R _Y B	199, 127, 222
Decimal	13074398
CIE Lab	63.83, 43.64, -37.47
CIE LCh	64, 57.516, 319.350
Yxy	32.5948, 0.2955, 0.2173
Android (android.graphics.Color)	4291264478 (0xFFC77FDE)
YUV	159.3580, 30.8825, 34.7660
Hunter-Lab	57.0919, 38.6723, -35.9290

Details

The Yxy color **32.5948, 0.2955, 0.2173** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.2785, 0.3216, 0.4556**, and the grayscale version is **34.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **13.6250, 0.2880, 0.1893** is the 20% darker color. If you saturate the color by 10%, you get **26.7549, 0.2898, 0.1921**, and if you desaturate by 10%, it is **39.7270, 0.3006, 0.2439**.

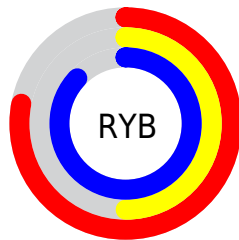
Distribution



Red (78%)

Green (50%)

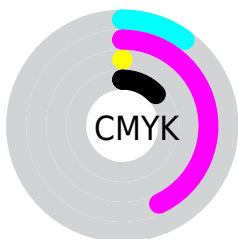
Blue (87%)



Red (78%)

Yellow (50%)

Blue (87%)

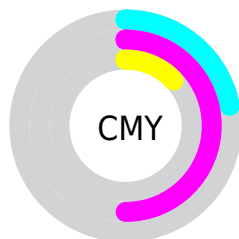


Cyan (10%)

Magenta (43%)

Yellow (0%)

Black (13%)



Cyan (22%)


Magenta (50%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5948, 0.2955, 0.2173 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 32.5948, 0.2955, 0.2173 by changing the saturation by 10% instead.


 32.5948, 0.2955,
0.2173


 32.5948, 0.2955,
0.2173


313.8199, 0.3062,
0.2708

 21.8162, 0.2923,
0.2049


 63.7424, 0.2998,
0.2361

 13.7219, 0.2879,
0.1895


 84.8802, 0.3013,
0.2433

 7.9275, 0.2815,
0.1701


 110.2399, 0.3025,
0.2495

 4.0486, 0.2719,
0.1450

140.2058, 0.3035,
0.2549

 1.7008, 0.2564,
0.1123

175.1623, 0.3043,
0.2596

 0.4242, 0.2315,
0.0600

215.4940, 0.3050,


 0.0000, 0.1595,


0.2638


0.0000


261.5850, 0.3056,
0.2675


 0.0000, 0.0000,
0.0000


 32.5948, 0.2955,
0.2173


 32.5948, 0.2955,
0.2173


 26.7549, 0.2898,
0.1921


 39.7270, 0.3006,
0.2439


 22.1191, 0.2836,
0.1694


 48.2240, 0.3050,
0.2707


 18.5944, 0.2771,
0.1502

 58.1577, 0.3088,
0.2971

 16.0722, 0.2705,
0.1354

 69.5935, 0.3119,
0.3222

 14.4215, 0.2640,
0.1253

 82.5931, 0.3145,
0.3459

■ 13.6179, 0.2595,
0.1203

■ 93.8330, 0.3169,
0.3626

■ 94.7447, 0.3203,
0.3623

■ 95.6841, 0.3238,
0.3620

■ 96.6517, 0.3272,
0.3616

Harmonies

Analogous

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



32.5948, 0.2204, 0.1973



32.5948, 0.2955, 0.2173



32.5948, 0.3885, 0.2590

Triad

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



32.5948, 0.2955, 0.2173



32.5948, 0.4599, 0.4417



32.5948, 0.1789, 0.3150

Complementary

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



32.5948, 0.2955, 0.2173



60.2785, 0.3216, 0.4556

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.



32.5948, 0.2302, 0.4149



32.5948, 0.2955, 0.2173



32.5948, 0.3921, 0.4894

Square

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



32.5948, 0.2955, 0.2173



32.5948, 0.4904, 0.3784



32.5948, 0.3083, 0.4872



32.5948, 0.1617, 0.2404

Rectangle

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



32.5948, 0.2955, 0.2173



32.5948, 0.4440, 0.2955



32.5948, 0.3083, 0.4872



32.5948, 0.1922, 0.3473

Sweetspot

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



32.5962, 0.2955, 0.2173



79.1494, 0.3087, 0.2963



31.8464, 0.2383, 0.2302



16.2595, 0.3079, 0.2905



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.



32.5962, 0.2955, 0.2173



37.6341, 0.2906, 0.1955



34.8055, 0.3412, 0.2477



13.7594, 0.3099, 0.3056



8.1407, 0.2604, 0.1208



0.6049, 0.2701, 0.1262

Inverse Universe

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



32.9198, 0.3962, 0.3017



38.3319, 0.4229, 0.2968



58.9957, 0.2934, 0.4279



13.7548, 0.3254, 0.3233



9.3964, 0.5945, 0.3048



0.6653, 0.5507, 0.2807

Previews

White Background



This preview shows how the Yxy color 32.5948, 0.2955, 0.2173 looks on a white background.

Color Contrast Check

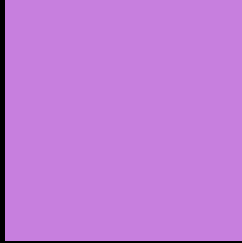
Large Text (above 18pt) WCAG AA × Fail

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 32.5948, 0.2955, 0.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

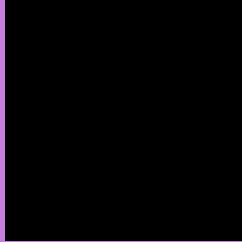
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5948, 0.2955, 0.2173

Background



This preview shows how black text looks on a background with the Yxy color 32.5948, 0.2955, 0.2173.



This preview shows how white text looks on a background with the Yxy color 32.5948, 0.2955, 0.2173.

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

32.5948, 0.2955, 0.2173

Protanopia

32.9925, 0.2239, 0.2094

Deuteranopia

32.7788, 0.2459, 0.2400



Tritanopia

32.4647, 0.3523, 0.3141

Trichromacy



Original Color

32.5948, 0.2955, 0.2173



Protanomaly

32.0326, 0.2447, 0.2107



Deuteranomaly

32.2291, 0.2615, 0.2299



Tritanomaly

32.4431, 0.3310, 0.2755

Monochromacy



Original Color

32.5948, 0.2955, 0.2173



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.2435, 0.3070, 0.2809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5948, 0.2955, 0.2173 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, 127, 222)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 222)  
}
```

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, 127, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 222) }
```

Border

The CSS property to change the border of an element to Yxy 32.5948, 0.2955, 0.2173 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, 127, 222) }
```

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

```
.border{ border-color:rgb(199, 127, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 127, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 127, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 127, 222); box-shadow:4px 4px 4px 4px rgb(199, 127, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5948, 0.2955, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 222) }
```

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

```
.background{ background-color: rgb(199,  
127, 222) }
```

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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