

Converting Colors

$Y_{xy}(32.3682, 0.3068, 0.2282)$

Have a look what the booklet for
Yxy(32.3682, 0.3068, 0.2282)
contains.

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Color

Yxy(32.3497, 0.3064, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	C97FD4
RGB	201, 127, 212
RGB Percent	79%, 50%, 83%
CMY	0.2120, 0.5018, 0.1686
CMYK	0.05, 0.40, 0.00, 0.17
HSL	292°, 50%, 66%
HSV	292°, 40%, 83%
XYZ	43.5499, 32.3497, 66.2344
YIQ	158.8160, 16.8190, 42.1230

Conversions

Conversions Part 2

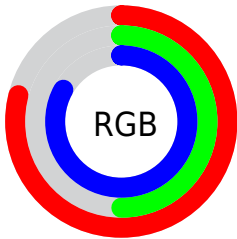
Format	Color
R _Y B	201, 127, 212
Decimal	13205460
CIE Lab	63.63, 42.23, -32.17
CIE LCh	64, 53.085, 322.703
Yxy	32.3497, 0.3064, 0.2276
Android (android.graphics.Color)	4291395540 (0xFFC97FD4)
YUV	158.8160, 26.2197, 36.9954
Hunter-Lab	56.8768, 37.1408, -29.2309

Details

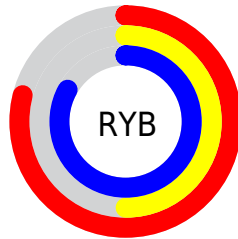
The Yxy color **32.3497, 0.3064, 0.2276** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.0294, 0.3145, 0.4487**, and the grayscale version is **34.4563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **13.4862, 0.3018, 0.2007** is the 20% darker color. If you saturate the color by 10%, you get **27.0591, 0.3039, 0.2038**, and if you desaturate by 10%, it is **38.8021, 0.3085, 0.2529**.

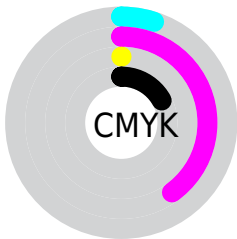
Distribution



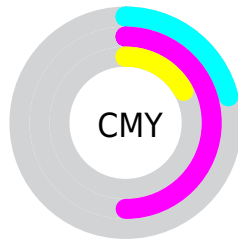
- Red (79%)
- Green (50%)
- Blue (83%)



- Red (79%)
- Yellow (50%)
- Blue (83%)



- Cyan (5%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)





- Cyan (21%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3497, 0.3064, 0.2276 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 32.3497, 0.3064, 0.2276 by changing the saturation by 10% instead.


 32.3497, 0.3064,
0.2276


 32.3497, 0.3064,
0.2276


312.7092, 0.3113,
0.2767

 21.6287, 0.3047,
0.2160


 63.3589, 0.3085,
0.2450

 13.5844, 0.3022,
0.2014


 84.4159, 0.3092,
0.2517

 7.8322, 0.2984,
0.1829


 109.6871, 0.3098,
0.2574

 3.9877, 0.2923,
0.1585

139.5569, 0.3102,
0.2623

 1.6667, 0.2816,
0.1258

174.4096, 0.3106,
0.2666

 0.4020, 0.2644,
0.0685

214.6296, 0.3108,

 0.0000, 0.1860,

0.2704


0.0000


260.6013, 0.3111,
0.2737


 0.0000, 0.0000,
0.0000


 32.3497, 0.3064,
0.2276


 32.3497, 0.3064,
0.2276

 27.0591, 0.3039,
0.2038


 38.8021, 0.3085,
0.2529

 22.8531, 0.3011,
0.1824


 46.4786, 0.3103,
0.2787

 19.6520, 0.2980,
0.1645


 55.4421, 0.3116,
0.3042


 17.3632, 0.2947,
0.1508


 65.7499, 0.3127,
0.3288

 15.8768, 0.2913,
0.1415


 77.4558, 0.3135,
0.3520

 14.9971, 0.2880,
0.1360

 90.6109, 0.3140,
0.3736

 91.5275, 0.3157,
0.3741

 91.9618, 0.3174,
0.3739

 92.4033, 0.3192,
0.3737

Harmonies

Analogous

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



32.3497, 0.2332, 0.2062



32.3497, 0.3064, 0.2276



32.3497, 0.3925, 0.2691

Triad

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



32.3497, 0.3064, 0.2276



32.3497, 0.4453, 0.4420



32.3497, 0.1842, 0.3075

Complementary

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



32.3497, 0.3064, 0.2276



54.0294, 0.3145, 0.4487

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.



32.3497, 0.2295, 0.3980



32.3497, 0.3064, 0.2276



32.3497, 0.3799, 0.4807

Square

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



32.3497, 0.3064, 0.2276



32.3497, 0.4774, 0.3839



32.3497, 0.3010, 0.4695



32.3497, 0.1708, 0.2414

Rectangle

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



32.3497, 0.3064, 0.2276



32.3497, 0.4413, 0.3046



32.3497, 0.3010, 0.4695



32.3497, 0.1957, 0.3364

Sweetspot

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



32.3511, 0.3064, 0.2276



81.2597, 0.3114, 0.2991



27.5487, 0.2414, 0.2233



16.9953, 0.3112, 0.2957



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.



32.3511, 0.3064, 0.2276



42.2511, 0.3043, 0.2074



32.5137, 0.3495, 0.2639



12.5470, 0.3117, 0.3059



9.2898, 0.2885, 0.1363



0.5836, 0.2944, 0.1396

Inverse Universe

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



31.0213, 0.4000, 0.3154



40.0802, 0.4290, 0.3129



54.0756, 0.2885, 0.4054



12.4468, 0.3271, 0.3260



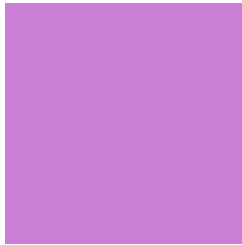
8.6999, 0.6224, 0.3202



0.5335, 0.5836, 0.2988

Previews

White Background



This preview shows how the Yxy color 32.3497, 0.3064, 0.2276 looks on a white background.

Color Contrast Check

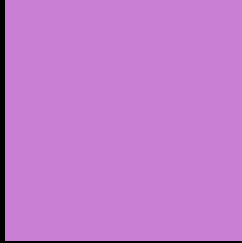
Large Text (above 18pt) WCAG AA × Fail

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 32.3497, 0.3064, 0.2276 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 32.3497, 0.3064, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 32.3497, 0.3064, 0.2276.



This preview shows how white text looks on a background with the Yxy color 32.3497, 0.3064, 0.2276.

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

32.3497, 0.3064, 0.2276

Protanopia

32.7947, 0.2331, 0.2213

Deuteranopia

32.5369, 0.2574, 0.2514



Tritanopia

32.3280, 0.3593, 0.3143

Trichromacy



Original Color

32.3497, 0.3064, 0.2276



Protanomaly

31.9512, 0.2549, 0.2216



Deuteranomaly

31.9298, 0.2730, 0.2406



Tritanomaly

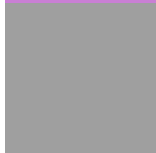
32.0808, 0.3397, 0.2796

Monochromacy



Original Color

32.3497, 0.3064, 0.2276



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.0805, 0.3107, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3497, 0.3064, 0.2276 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(201, 127, 212)` looks like.

```
.text, #text, p{  
    color:rgb(201, 127, 212)  
}
```

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(201, 127, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 127, 212) }
```

Border

The CSS property to change the border of an element to Yxy 32.3497, 0.3064, 0.2276 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(201, 127, 212) }
```

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

```
.border{ border-color:rgb(201, 127, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 127, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 127, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 127, 212);  
box-shadow:4px 4px 4px 4px rgb(201, 127,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3497, 0.3064, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 127, 212) }
```

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

```
.background{ background-color: rgb(201,  
127, 212) }
```

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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