

Converting Colors

$Y_{xy}(32.9521, 0.2786, 0.2116)$

Have a look what the booklet for
Yxy(32.9521, 0.2786, 0.2116)
contains.

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Color

Yxy(32.9634, 0.2782, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	BC84E7
RGB	188, 132, 231
RGB Percent	74%, 52%, 91%
CMY	0.2627, 0.4824, 0.0940
CMYK	0.19, 0.43, 0.00, 0.09
HSL	274°, 67%, 71%
HSV	274°, 43%, 91%
XYZ	43.4205, 32.9634, 79.6928
YIQ	160.0300, 1.5970, 42.6610

Conversions

Conversions Part 2

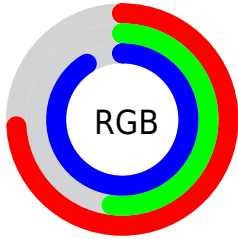
Format	Color
R _Y B	188, 132, 231
Decimal	12354791
CIE Lab	64.13, 39.69, -42.08
CIE LCh	64, 57.847, 313.325
Yxy	32.9634, 0.2782, 0.2112
Android (android.graphics.Color)	4290544871 (0xFFBC84E7)
YUV	160.0300, 34.9882, 24.5297
Hunter-Lab	57.4138, 34.5208, -42.1074

Details

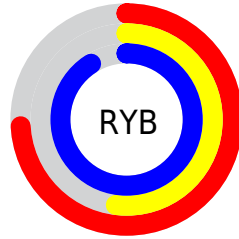
The Yxy color **32.9634, 0.2782, 0.2112** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.9439, 0.3347, 0.4510**, and the grayscale version is **35.0047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9306, 0.3090, 0.2600**, and **13.9665, 0.2661, 0.1826** is the 20% darker color. If you saturate the color by 10%, you get **26.1480, 0.2674, 0.1828**, and if you desaturate by 10%, it is **41.2572, 0.2881, 0.2403**.

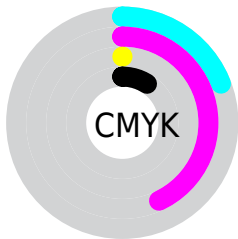
Distribution



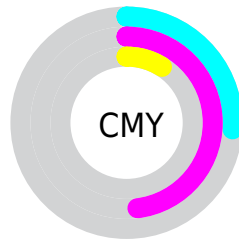
- Red (74%)
- Green (52%)
- Blue (91%)



- Red (74%)
- Yellow (52%)
- Blue (91%)



- Cyan (19%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)




- Cyan (26%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9634, 0.2782, 0.2112 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 32.9634, 0.2782, 0.2112 by changing the saturation by 10% instead.


 32.9634, 0.2782,
0.2112


 32.9634, 0.2782,
0.2112


315.4848, 0.2976,
0.2673


 22.0984, 0.2729,
0.1983


 64.3184, 0.2856,
0.2308

 13.9292, 0.2658,
0.1824


 85.5772, 0.2883,
0.2384

 8.0715, 0.2561,
0.1625


 111.0693, 0.2905,
0.2449

 4.1407, 0.2421,
0.1371

141.1793, 0.2924,
0.2506

 1.7526, 0.2210,
0.1045

176.2914, 0.2940,
0.2556

 0.4574, 0.1885,
0.0561

216.7901, 0.2954,

 0.0000, 0.1089,

0.2599

0.0000

263.0598, 0.2965,
0.2638


 0.0000, 0.0000,
0.0000


 32.9634, 0.2782,
0.2112


 32.9634, 0.2782,
0.2112


 26.1480, 0.2674,
0.1828

 41.2572, 0.2881,
0.2403


 20.7126, 0.2558,
0.1564

 51.1111, 0.2969,
0.2689


 16.5527, 0.2441,
0.1334


 62.6058, 0.3045,
0.2964

 13.5467, 0.2325,
0.1151

 75.8149, 0.3110,
0.3220

 11.5478, 0.2216,
0.1021

 90.8074, 0.3165,
0.3456

 10.5733, 0.2144,
0.0955

 97.2857, 0.3224,
0.3525

 98.5509, 0.3268,
0.3522

Harmonies

Analogous

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



32.9634, 0.2088, 0.1961



32.9634, 0.2782, 0.2112



32.9634, 0.3699, 0.2490

Triad

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



32.9634, 0.2782, 0.2112



32.9634, 0.4700, 0.4295



32.9634, 0.1862, 0.3341

Complementary

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



32.9634, 0.2782, 0.2112



67.9439, 0.3347, 0.4510

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.



32.9634, 0.2441, 0.4340



32.9634, 0.2782, 0.2112



32.9634, 0.4078, 0.4828

Square

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



32.9634, 0.2782, 0.2112



32.9634, 0.4904, 0.3655



32.9634, 0.3254, 0.4938



32.9634, 0.1623, 0.2521

Rectangle

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



32.9634, 0.2782, 0.2112



32.9634, 0.4290, 0.2839



32.9634, 0.3254, 0.4938



32.9634, 0.2019, 0.3678

Sweetspot

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



32.9647, 0.2782, 0.2112



78.0145, 0.3044, 0.2958



41.9442, 0.2426, 0.2571



15.9783, 0.3028, 0.2899



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.



32.9647, 0.2782, 0.2112



33.9528, 0.2691, 0.1872



38.9875, 0.3222, 0.2286



14.2875, 0.3069, 0.3053



6.0009, 0.2160, 0.0963



0.4981, 0.2307, 0.1045

Inverse Universe

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



36.5873, 0.3749, 0.2802



39.2679, 0.3935, 0.2713



63.8745, 0.3039, 0.4556



14.4714, 0.3225, 0.3188



10.0672, 0.5231, 0.2655



0.7623, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 32.9634, 0.2782, 0.2112 looks on a white background.

Color Contrast Check

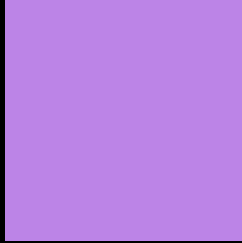
Large Text (above 18pt) WCAG AA × Fail

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 32.9634, 0.2782, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

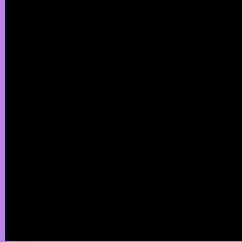
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9634, 0.2782, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 32.9634, 0.2782, 0.2112.

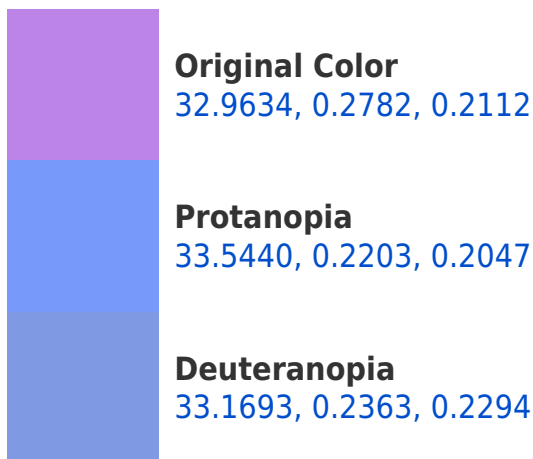


This preview shows how white text looks on a background with the Yxy color 32.9634, 0.2782, 0.2112.

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





Tritanopia

32.9131, 0.3310, 0.3135

Trichromacy



Original Color

32.9634, 0.2782, 0.2112



Protanomaly

32.5909, 0.2375, 0.2055



Deuteranomaly

32.5488, 0.2495, 0.2215



Tritanomaly

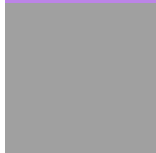
32.5521, 0.3104, 0.2712

Monochromacy



Original Color

32.9634, 0.2782, 0.2112



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.9039, 0.2996, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9634, 0.2782, 0.2112 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(188, 132, 231)` looks like.

```
.text, #text, p{  
    color:rgb(188, 132, 231)  
}
```

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(188, 132, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 132, 231) }
```

Border

The CSS property to change the border of an element to Yxy 32.9634, 0.2782, 0.2112 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(188, 132, 231) }
```

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

```
.border{ border-color:rgb(188, 132, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 132, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 132, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 132, 231);  
box-shadow:4px 4px 4px 4px rgb(188, 132,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9634, 0.2782, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 132, 231) }
```

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

```
.background{ background-color: rgb(188,  
132, 231) }
```

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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