

Converting Colors

$Y_{xy}(32.2038, 0.3094, 0.2479)$

Have a look what the booklet for
Yxy(32.2038, 0.3094, 0.2479)
contains.

Yxy(32.2038, 0.3094, 0.2479)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.2038, 0.3094, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	BF86C6
RGB	191, 134, 198
RGB Percent	75%, 53%, 78%
CMY	0.2512, 0.4744, 0.2236
CMYK	0.04, 0.32, 0.00, 0.22
HSL	293°, 36%, 65%
HSV	293°, 32%, 78%
XYZ	40.1930, 32.2038, 57.5096
YIQ	158.3390, 13.4280, 31.9880

Conversions

Conversions Part 2

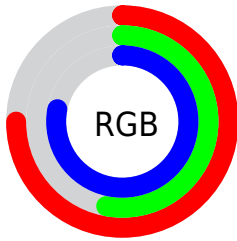
Format	Color
R_{YB}	191, 134, 198
Decimal	12551878
CIE _{Lab}	63.51, 32.58, -24.58
CIE _{LCh}	64, 40.809, 322.964
Yxy	32.2038, 0.3094, 0.2479
Android (android.graphics.Color)	4290741958 (0xFFBF86C6)
YUV	158.3390, 19.5529, 28.6437
Hunter-Lab	56.7484, 27.1161, -20.3614

Details

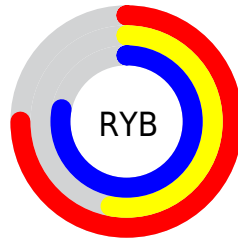
The Yxy color **32.2038, 0.3094, 0.2479** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7674, 0.3136, 0.4221**, and the grayscale version is **34.2591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1429, 0.3105, 0.2623**, and **13.5185, 0.3075, 0.2254** is the 20% darker color. If you saturate the color by 10%, you get **26.9540, 0.3077, 0.2232**, and if you desaturate by 10%, it is **38.4850, 0.3108, 0.2734**.

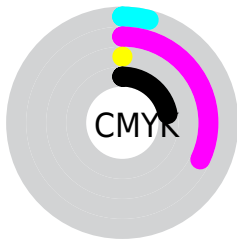
Distribution



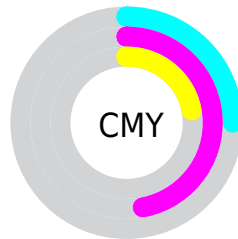
- Red (75%)
- Green (53%)
- Blue (78%)



- Red (75%)
- Yellow (53%)
- Blue (78%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)





- Cyan (25%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2038, 0.3094, 0.2479 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 32.2038, 0.3094, 0.2479 by changing the saturation by 10% instead.


 32.2038, 0.3094,
0.2479


 32.2038, 0.3094,
0.2479


312.0466, 0.3121,
0.2881

 21.5172, 0.3084,
0.2380


 63.1304, 0.3107,
0.2624

 13.5026, 0.3068,
0.2255


 84.1393, 0.3111,
0.2679

 7.7755, 0.3044,
0.2091


 109.3577, 0.3114,
0.2725

 3.9517, 0.3003,
0.1869

139.1700, 0.3116,
0.2765

 1.6466, 0.2927,
0.1554

173.9607, 0.3118,
0.2800

 0.3887, 0.2820,
0.0908

214.1141, 0.3119,

 0.0000, 0.1072,

0.2830

0.0000

260.0146, 0.3120,
0.2857

0.0000, 0.0000,
0.0000

32.2038, 0.3094,
0.2479

32.2038, 0.3094,
0.2479

26.9540, 0.3077,
0.2232

38.4850, 0.3108,
0.2734

22.6742, 0.3057,
0.2002

45.8464, 0.3118,
0.2988

19.3029, 0.3034,
0.1799


54.3385, 0.3126,
0.3235


16.7697, 0.3009,
0.1633


64.0076, 0.3131,
0.3469

14.9939, 0.2982,
0.1509

74.8972, 0.3134,
0.3688

 13.8788, 0.2954,
0.1428

 87.0486, 0.3136,
0.3891

 13.3335, 0.2933,
0.1389

 88.7430, 0.3148,
0.3910

 89.0568, 0.3162,
0.3907

 89.3748, 0.3175,
0.3905

Harmonies

Analogous

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



32.2038, 0.2509, 0.2304



32.2038, 0.3094, 0.2479



32.2038, 0.3753, 0.2824

Triad

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



32.2038, 0.3094, 0.2479



32.2038, 0.4182, 0.4213



32.2038, 0.2106, 0.3140

Complementary

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



32.2038, 0.3094, 0.2479



47.7674, 0.3136, 0.4221

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.



32.2038, 0.2482, 0.3808



32.2038, 0.3094, 0.2479



32.2038, 0.3678, 0.4463

Square

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



32.2038, 0.3094, 0.2479



32.2038, 0.4411, 0.3770



32.2038, 0.3054, 0.4336



32.2038, 0.1988, 0.2615

Rectangle

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



32.2038, 0.3094, 0.2479



32.2038, 0.4121, 0.3119



32.2038, 0.3054, 0.4336



32.2038, 0.2204, 0.3358

Sweetspot

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



32.2052, 0.3094, 0.2479



84.2684, 0.3120, 0.3042



28.3418, 0.2570, 0.2458



17.5998, 0.3119, 0.3006



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.



32.2052, 0.3094, 0.2479



50.0931, 0.3082, 0.2298



32.0964, 0.3415, 0.2782



10.7552, 0.3121, 0.3061



8.6963, 0.2936, 0.1391



0.4291, 0.2997, 0.1425

Inverse Universe

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



30.9860, 0.3780, 0.3198



47.6567, 0.3999, 0.3178



47.9361, 0.2920, 0.3862



10.6556, 0.3273, 0.3265



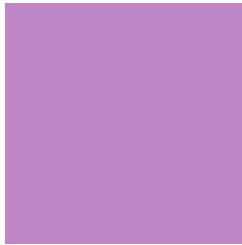
7.8511, 0.6255, 0.3220



0.3783, 0.5845, 0.2994

Previews

White Background



This preview shows how the Yxy color 32.2038, 0.3094, 0.2479 looks on a white background.

Color Contrast Check

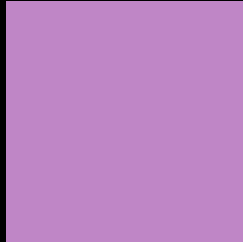
Large Text (above 18pt) WCAG AA × Fail

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 32.2038, 0.3094, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

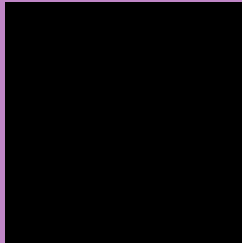
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2038, 0.3094, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 32.2038, 0.3094, 0.2479.



This preview shows how white text looks on a background with the Yxy color 32.2038, 0.3094, 0.2479.

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

32.2038, 0.3094, 0.2479

Protanopia

32.4780, 0.2524, 0.2462

Deuteranopia

32.3692, 0.2724, 0.2661



Tritanopia

32.2923, 0.3466, 0.3139

Trichromacy



Original Color

32.2038, 0.3094, 0.2479

Protanomaly

31.8751, 0.2711, 0.2457

Deuteranomaly

32.1288, 0.2853, 0.2589

Tritanomaly

32.2232, 0.3326, 0.2886

Monochromacy



Original Color

32.2038, 0.3094, 0.2479

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.0581, 0.3113, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2038, 0.3094, 0.2479 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(191, 134, 198)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 198)  
}
```

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(191, 134, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.2038, 0.3094, 0.2479 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(191, 134, 198) }
```

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

```
.border{ border-color:rgb(191, 134, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 198);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
198) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.2038, 0.3094, 0.2479$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 198) }
```

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

```
.background{ background-color: rgb(191,  
134, 198) }
```

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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