

Converting Colors

$Y_{xy}(30.8399, 0.2927, 0.2294)$

Have a look what the booklet for
Yxy(30.8399, 0.2927, 0.2294)
contains.

Yxy(30.7591, 0.2925, 0.2292)	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(30.7591, 0.2925, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	B882D1
RGB	184, 130, 209
RGB Percent	72%, 51%, 82%
CMY	0.2785, 0.4901, 0.1804
CMYK	0.12, 0.38, 0.00, 0.18
HSL	281°, 46%, 66%
HSV	281°, 38%, 82%
XYZ	39.2541, 30.7591, 64.1888
YIQ	155.1520, 6.8250, 36.0170

Conversions

Conversions Part 2

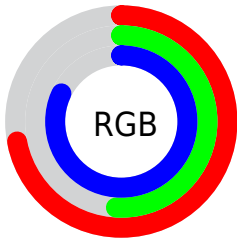
Format	Color
RYB	184, 130, 209
Decimal	12092113
CIELab	62.30, 34.83, -32.69
CIElCh	62, 47.773, 316.817
Yxy	30.7591, 0.2925, 0.2292
Android (android.graphics.Color)	4290282193 (0xFFB882D1)
YUV	155.1520, 26.5471, 25.2997
Hunter-Lab	55.4609, 29.2821, -29.7979

Details

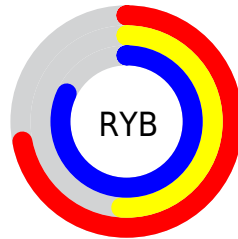
The Yxy color **30.7591, 0.2925, 0.2292** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.1848, 0.3255, 0.4370**, and the grayscale version is **32.7277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2018, 0.3052, 0.2571**, and **12.6709, 0.2850, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **24.9545, 0.2852, 0.2022**, and if you desaturate by 10%, it is **37.7338, 0.2990, 0.2567**.

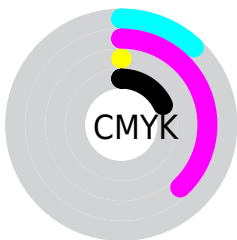
Distribution



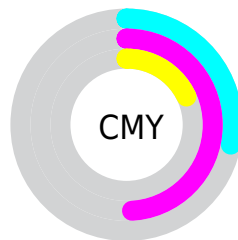
- Red (72%)
- Green (51%)
- Blue (82%)



- Red (72%)
- Yellow (51%)
- Blue (82%)



- Cyan (12%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)





- Cyan (28%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7591, 0.2925, 0.2292 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 30.7591, 0.2925, 0.2292 by changing the saturation by 10% instead.


 30.7591, 0.2925,
0.2292

 30.7591, 0.2925,
0.2292


305.4270, 0.3044,
0.2782

 20.4155, 0.2890,
0.2174


 60.8606, 0.2972,
0.2467

 12.6974, 0.2842,
0.2025


 81.3873, 0.2989,
0.2534

 7.2205, 0.2773,
0.1834


 106.0771, 0.3003,
0.2591

 3.6004, 0.2668,
0.1581

135.3144, 0.3014,
0.2640

 1.4526, 0.2496,
0.1236

169.4837, 0.3023,
0.2682

 0.2550, 0.2244,
0.0512

208.9692, 0.3031,

 0.0000, 0.0279,

0.2720

0.0000

254.1555, 0.3038,
0.2753

0.0000, 0.0000,
0.0000

30.7591, 0.2925,
0.2292

30.7591, 0.2925,
0.2292

24.9545, 0.2852,
0.2022

37.7338, 0.2990,
0.2567

20.2467, 0.2772,
0.1767

45.9381, 0.3047,
0.2839

16.5602, 0.2687,
0.1542


55.4323, 0.3095,
0.3098


13.8080, 0.2601,
0.1355

66.2713, 0.3135,
0.3342

11.8882, 0.2516,
0.1215


78.5070, 0.3169,
0.3568


 10.6557, 0.2434,
0.1123

 91.9233, 0.3196,
0.3770

 10.4244, 0.2416,
0.1105

 93.0000, 0.3238,
0.3764

 94.1184, 0.3281,
0.3758

 95.2789, 0.3324,
0.3752

Harmonies

Analogous

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



30.7591, 0.2289, 0.2135



30.7591, 0.2925, 0.2292



30.7591, 0.3709, 0.2649

Triad

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



30.7591, 0.2925, 0.2292



30.7591, 0.4445, 0.4251



30.7591, 0.1999, 0.3254

Complementary

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



30.7591, 0.2925, 0.2292



54.1848, 0.3255, 0.4370

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.



30.7591, 0.2481, 0.4073



30.7591, 0.2925, 0.2292



30.7591, 0.3894, 0.4644

Square

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



30.7591, 0.2925, 0.2292



30.7591, 0.4647, 0.3705



30.7591, 0.3174, 0.4631



30.7591, 0.1810, 0.2585

Rectangle

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



30.7591, 0.2925, 0.2292



30.7591, 0.4188, 0.2970



30.7591, 0.3174, 0.4631



30.7591, 0.2128, 0.3527

Sweetspot

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



30.7604, 0.2925, 0.2292



81.7443, 0.3080, 0.3013



33.2427, 0.2495, 0.2539



17.0537, 0.3073, 0.2978



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.



30.7604, 0.2925, 0.2292



41.0550, 0.2869, 0.2082



33.5025, 0.3301, 0.2500



11.8135, 0.3088, 0.3057



6.4822, 0.2428, 0.1111



0.4038, 0.2575, 0.1192

Inverse Universe

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



31.8923, 0.3751, 0.2976



43.2478, 0.3944, 0.2913



52.3362, 0.2994, 0.4237



11.8691, 0.3241, 0.3217



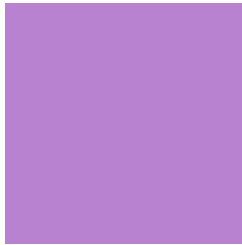
8.6177, 0.5685, 0.2905



0.4962, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 30.7591, 0.2925, 0.2292 looks on a white background.

Color Contrast Check

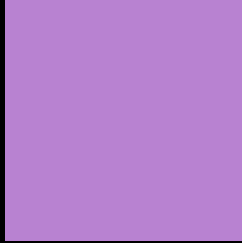
Large Text (above 18pt) WCAG AA × Fail

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 30.7591, 0.2925, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

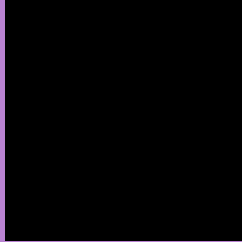
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7591, 0.2925, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 30.7591, 0.2925, 0.2292.



This preview shows how white text looks on a background with the Yxy color 30.7591, 0.2925, 0.2292.

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

30.7591, 0.2925, 0.2292

Protanopia

30.9216, 0.2352, 0.2237

Deuteranopia

31.0536, 0.2543, 0.2486



Tritanopia

30.7599, 0.3371, 0.3133

Trichromacy



Original Color

30.7591, 0.2925, 0.2292



Protanomaly

30.2752, 0.2521, 0.2234



Deuteranomaly

30.5745, 0.2673, 0.2407



Tritanomaly

30.6591, 0.3203, 0.2806

Monochromacy



Original Color

30.7591, 0.2925, 0.2292



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.7599, 0.3056, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7591, 0.2925, 0.2292 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(184, 130, 209)` looks like.

```
.text, #text, p{  
    color:rgb(184, 130, 209)  
}
```

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(184, 130, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 130, 209) }
```

Border

The CSS property to change the border of an element to Yxy 30.7591, 0.2925, 0.2292 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(184, 130, 209) }
```

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

```
.border{ border-color:rgb(184, 130, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 130, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 130, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 130, 209);  
box-shadow:4px 4px 4px 4px rgb(184, 130,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7591, 0.2925, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 130, 209) }
```

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

```
.background{ background-color: rgb(184,  
130, 209) }
```

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