

Converting Colors

$Y_{xy}(30.2144, 0.2905, 0.2205)$

Have a look what the booklet for
Yxy(30.2144, 0.2905, 0.2205)
contains.

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Color

Yxy(30.1649, 0.2909, 0.2209)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BA7ED5 |
| RGB | 186, 126, 213 |
| RGB Percent | 73%, 49%, 84% |
| CMY | 0.2705, 0.5059, 0.1648 |
| CMYK | 0.13, 0.41, 0.00, 0.16 |
| HSL | 281°, 51%, 66% |
| HSV | 281°, 41%, 84% |
| XYZ | 39.7237, 30.1649, 66.6659 |
| YIQ | 153.8580, 7.8330, 39.7770 |

Conversions

Conversions Part 2

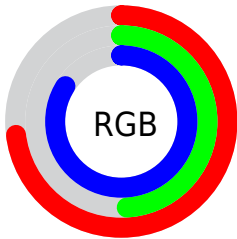
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 186, 126, 213 |
| Decimal | 12222165 |
| CIE _{Lab} | 61.80, 38.50, -35.70 |
| CIE _{LCh} | 62, 52.504, 317.164 |
| Yxy | 30.1649, 0.2909, 0.2209 |
| Android (android.graphics.Color) | 4290412245 (0xFFBA7ED5) |
| YUV | 153.8580, 29.1570, 28.1885 |
| Hunter-Lab | 54.9226, 32.9887, -33.5214 |

Details

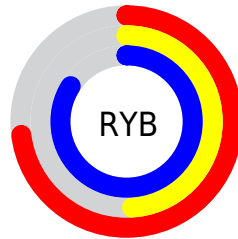
The Yxy color **30.1649, 0.2909, 0.2209** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **55.8517, 0.3257, 0.4471**, and the grayscale version is **32.1177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9172, 0.3068, 0.2534**, and **12.3261, 0.2813, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **24.4796, 0.2835, 0.1943**, and if you desaturate by 10%, it is **37.0502, 0.2975, 0.2484**.

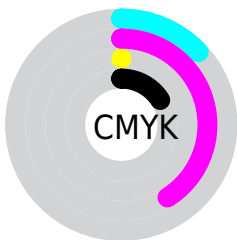
Distribution



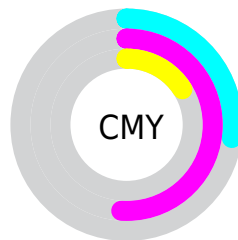
- Red (73%)
- Green (49%)
- Blue (84%)



- Red (73%)
- Yellow (49%)
- Blue (84%)



- Cyan (13%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)




- Cyan (27%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1649, 0.2909, 0.2209 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 30.1649, 0.2909, 0.2209 by changing the saturation by 10% instead.


 30.1649, 0.2909,
0.2209


 30.1649, 0.2909,
0.2209


302.6723, 0.3039,
0.2737


 19.9638, 0.2871,
0.2083


 59.9229, 0.2961,
0.2397

 12.3687, 0.2818,
0.1926


 80.2485, 0.2979,
0.2468

 6.9953, 0.2743,
0.1726


 104.7178, 0.2994,
0.2530

 3.4592, 0.2628,
0.1463

133.7150, 0.3006,
0.2582

 1.3759, 0.2443,
0.1114

167.6248, 0.3016,
0.2628

 0.1989, 0.2176,
0.0372

206.8313, 0.3025,

 0.0000, 0.0453,

0.2669

0.0000

251.7190, 0.3032,
0.2705

0.0000, 0.0000,
0.0000

30.1649, 0.2909,
0.2209

30.1649, 0.2909,
0.2209

24.4796, 0.2835,
0.1943

37.0502, 0.2975,
0.2484

19.9158, 0.2756,
0.1698

45.2000, 0.3033,
0.2757

16.3915, 0.2672,
0.1484


54.6786, 0.3082,
0.3020

13.8113, 0.2587,
0.1313


65.5445, 0.3124,
0.3270


12.0619, 0.2505,
0.1190


77.8531, 0.3158,
0.3502

 11.0055, 0.2432,
0.1113

 91.6564, 0.3186,
0.3714

 93.5158, 0.3227,
0.3721

 94.6424, 0.3270,
0.3715

 95.8108, 0.3313,
0.3709

Harmonies

Analogous

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



30.1649, 0.2215, 0.2036



30.1649, 0.2909, 0.2209



30.1649, 0.3777, 0.2595

Triad

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



30.1649, 0.2909, 0.2209



30.1649, 0.4558, 0.4328



30.1649, 0.1888, 0.3230

Complementary

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



30.1649, 0.2909, 0.2209



55.8517, 0.3257, 0.4471

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.



30.1649, 0.2402, 0.4155



30.1649, 0.2909, 0.2209



30.1649, 0.3943, 0.4781

Square

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



30.1649, 0.2909, 0.2209



30.1649, 0.4800, 0.3728



30.1649, 0.3155, 0.4786



30.1649, 0.1695, 0.2500

Rectangle

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



30.1649, 0.2909, 0.2209



30.1649, 0.4308, 0.2939



30.1649, 0.3155, 0.4786



30.1649, 0.2025, 0.3535

Sweetspot

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



30.1662, 0.2909, 0.2209



80.2526, 0.3077, 0.2987



32.1979, 0.2436, 0.2444



16.7572, 0.3070, 0.2953



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.



30.1662, 0.2909, 0.2209



37.8413, 0.2846, 0.1978



33.0962, 0.3333, 0.2453



12.4307, 0.3089, 0.3057



6.7802, 0.2443, 0.1120



0.4518, 0.2579, 0.1194

Inverse Universe

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



31.3615, 0.3833, 0.2958



40.0942, 0.4066, 0.2892



53.9650, 0.2976, 0.4308



12.4835, 0.3243, 0.3218



8.8975, 0.5713, 0.2921



0.5514, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 30.1649, 0.2909, 0.2209 looks on a white background.

Color Contrast Check

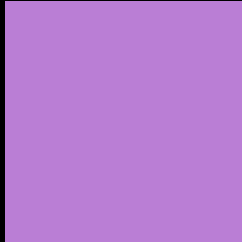
Large Text (above 18pt) WCAG AA × Fail

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 30.1649, 0.2909, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

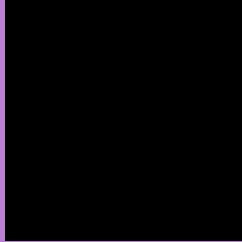
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1649, 0.2909, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 30.1649, 0.2909, 0.2209.



This preview shows how white text looks on a background with the Yxy color 30.1649, 0.2909, 0.2209.

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

30.1649, 0.2909, 0.2209

Protanopia

30.5737, 0.2285, 0.2152

Deuteranopia

30.4504, 0.2469, 0.2414



Tritanopia

30.3053, 0.3429, 0.3148

Trichromacy



Original Color

30.1649, 0.2909, 0.2209



Protanomaly

29.7763, 0.2470, 0.2151



Deuteranomaly

29.8933, 0.2615, 0.2327



Tritanomaly

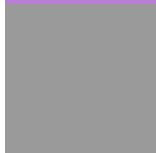
30.0484, 0.3227, 0.2768

Monochromacy



Original Color

30.1649, 0.2909, 0.2209



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.1487, 0.3057, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1649, 0.2909, 0.2209 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(186, 126, 213)` looks like.

```
.text, #text, p{  
    color:rgb(186, 126, 213)  
}
```

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(186, 126, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 126, 213) }
```

Border

The CSS property to change the border of an element to Yxy 30.1649, 0.2909, 0.2209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

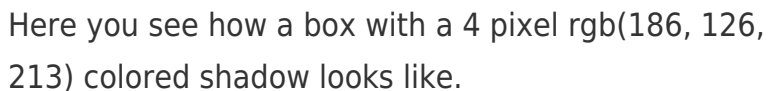
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 126, 213) }
```

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

```
.border{ border-color:rgb(186, 126, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 126, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 126, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 126, 213); box-shadow:4px 4px 4px 4px rgb(186, 126, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1649, 0.2909, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 126, 213) }
```

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

```
.background{ background-color: rgb(186,  
126, 213) }
```

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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