

Converting Colors

$Y_{xy}(30.7298, 0.2879, 0.2351)$

Have a look what the booklet for
Yxy(30.7298, 0.2879, 0.2351)
contains.

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Color

Yxy(30.7365, 0.2876, 0.2353)

Conversions

Conversions Part 1

Format	Color
Hex	B086CE
RGB	176, 134, 206
RGB Percent	69%, 53%, 81%
CMY	0.3098, 0.4745, 0.1923
CMYK	0.15, 0.35, 0.00, 0.19
HSL	275°, 42%, 67%
HSV	275°, 35%, 81%
XYZ	37.5683, 30.7365, 62.3221
YIQ	154.7660, 1.9200, 31.2960

Conversions

Conversions Part 2

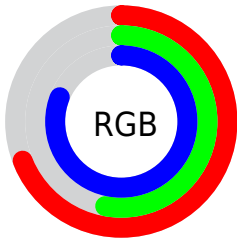
Format	Color
R_{YB}	176, 134, 206
Decimal	11568846
CIE _{Lab}	62.28, 29.51, -31.08
CIE _{LCh}	62, 42.860, 313.511
Yxy	30.7365, 0.2876, 0.2353
Android (android.graphics.Color)	4289758926 (0xFFB086CE)
YUV	154.7660, 25.2584, 18.6222
Hunter-Lab	55.4405, 23.9365, -27.8410

Details

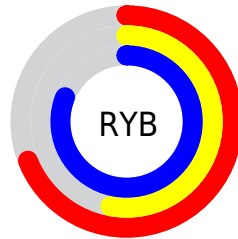
The Yxy color **30.7365, 0.2876, 0.2353** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.7350, 0.3303, 0.4260**, and the grayscale version is **32.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3422, 0.2984, 0.2598**, and **12.7126, 0.2781, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **24.6196, 0.2780, 0.2067**, and if you desaturate by 10%, it is **38.0278, 0.2961, 0.2637**.

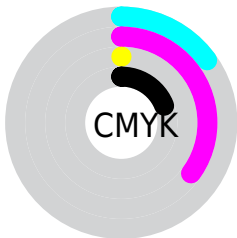
Distribution



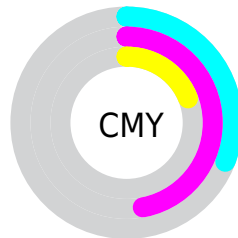
- Red (69%)
- Green (53%)
- Blue (81%)



- Red (69%)
- Yellow (53%)
- Blue (81%)



- Cyan (15%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)




- Cyan (31%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7365, 0.2876, 0.2353 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 30.7365, 0.2876, 0.2353 by changing the saturation by 10% instead.


 30.7365, 0.2876,
0.2353


 30.7365, 0.2876,
0.2353


305.3225, 0.3019,
0.2818

 20.3983, 0.2835,
0.2240


 60.8250, 0.2932,
0.2520

 12.6849, 0.2780,
0.2096


 81.3440, 0.2951,
0.2584

 7.2119, 0.2702,
0.1910


 106.0255, 0.2968,
0.2637

 3.5950, 0.2585,
0.1661

135.2537, 0.2981,
0.2684

 1.4497, 0.2396,
0.1316

169.4132, 0.2993,
0.2724

 0.2529, 0.2120,
0.0555

208.8882, 0.3003,

 0.0000, 0.0000,

0.2759

0.0000

254.0632, 0.3011,
0.2790

■ 30.7365, 0.2876,
0.2353

■ 30.7365, 0.2876,
0.2353

■ 24.6196, 0.2780,
0.2067

■ 38.0278, 0.2961,
0.2637

■ 19.6076, 0.2676,
0.1790

■ 46.5501, 0.3036,
0.2911

■ 15.6290, 0.2565,
0.1536


■ 56.3611, 0.3099,
0.3170


■ 12.6026, 0.2453,
0.1318


■ 67.5135, 0.3153,
0.3408


■ 10.4341, 0.2343,
0.1146


■ 80.0571, 0.3198,
0.3627

 9.0088, 0.2239,
0.1027

 92.3789, 0.3237,
0.3799

 8.4642, 0.2190,
0.0980

 93.8115, 0.3293,
0.3791

 95.3147, 0.3349,
0.3782

 96.8892, 0.3406,
0.3773

Harmonies

Analogous

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



30.7365, 0.2317, 0.2233



30.7365, 0.2876, 0.2353



30.7365, 0.3576, 0.2665

Triad

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



30.7365, 0.2876, 0.2353



30.7365, 0.4362, 0.4127



30.7365, 0.2141, 0.3345

Complementary

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



30.7365, 0.2876, 0.2353



53.7350, 0.3303, 0.4260

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.



30.7365, 0.2613, 0.4059



30.7365, 0.2876, 0.2353



30.7365, 0.3897, 0.4488

Square

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



30.7365, 0.2876, 0.2353



30.7365, 0.4490, 0.3626



30.7365, 0.3255, 0.4507



30.7365, 0.1932, 0.2716

Rectangle

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



30.7365, 0.2876, 0.2353



30.7365, 0.4015, 0.2953



30.7365, 0.3255, 0.4507



30.7365, 0.2271, 0.3589

Sweetspot

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



30.7378, 0.2876, 0.2353



82.8379, 0.3068, 0.3038



36.0701, 0.2558, 0.2695



17.2524, 0.3059, 0.3001



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.



30.7378, 0.2876, 0.2353



42.1318, 0.2804, 0.2136



34.3371, 0.3225, 0.2495



11.1620, 0.3072, 0.3057



5.2721, 0.2203, 0.0987



0.3159, 0.2397, 0.1094

Inverse Universe

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



32.8473, 0.3605, 0.2912



46.2355, 0.3755, 0.2829



51.0878, 0.3041, 0.4241



11.2898, 0.3226, 0.3194



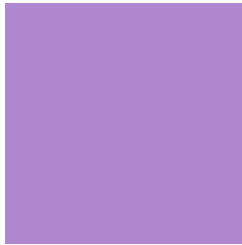
8.5096, 0.5292, 0.2689



0.4540, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 30.7365, 0.2876, 0.2353 looks on a white background.

Color Contrast Check

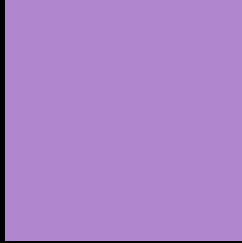
Large Text (above 18pt) WCAG AA × Fail

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 30.7365, 0.2876, 0.2353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

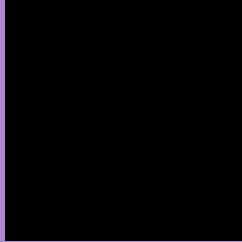
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7365, 0.2876, 0.2353

Background



This preview shows how black text looks on a background with the Yxy color 30.7365, 0.2876, 0.2353.



This preview shows how white text looks on a background with the Yxy color 30.7365, 0.2876, 0.2353.

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

30.7365, 0.2876, 0.2353

Protanopia

30.8567, 0.2420, 0.2321

Deuteranopia

31.0409, 0.2564, 0.2513



Tritanopia

30.6716, 0.3262, 0.3115

Trichromacy



Original Color

30.7365, 0.2876, 0.2353

Protanomaly

30.5600, 0.2565, 0.2327

Deuteranomaly

30.8855, 0.2673, 0.2454

Tritanomaly

30.4701, 0.3118, 0.2810

Monochromacy



Original Color

30.7365, 0.2876, 0.2353

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.7100, 0.3035, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7365, 0.2876, 0.2353 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(176, 134, 206)` looks like.

```
.text, #text, p{  
    color:rgb(176, 134, 206)  
}
```

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(176, 134, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 134, 206) }
```

Border

The CSS property to change the border of an element to Yxy 30.7365, 0.2876, 0.2353 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(176, 134, 206) }
```

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

```
.border{ border-color:rgb(176, 134, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 134, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 134, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 134, 206); box-shadow:4px 4px 4px 4px rgb(176, 134, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7365, 0.2876, 0.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 134, 206) }
```

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

```
.background{ background-color: rgb(176,  
134, 206) }
```

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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