

Converting Colors

$Y_{xy}(30.1626, 0.2808, 0.2326)$

Have a look what the booklet for
Yxy(30.1626, 0.2808, 0.2326)
contains.

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Color

Yxy(30.1012, 0.2810, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	AA86CF
RGB	170, 134, 207
RGB Percent	67%, 53%, 81%
CMY	0.3334, 0.4745, 0.1881
CMYK	0.18, 0.35, 0.00, 0.19
HSL	270°, 43%, 67%
HSV	270°, 35%, 81%
XYZ	36.3647, 30.1012, 62.9459
YIQ	153.0860, -1.9770, 30.3350

Conversions

Conversions Part 2

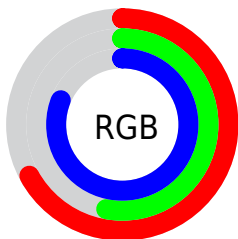
Format	Color
RYB	170, 134, 207
Decimal	11175631
CIELab	61.74, 27.89, -32.57
CIELCh	62, 42.880, 310.570
Yxy	30.1012, 0.2810, 0.2326
Android (android.graphics.Color)	4289365711 (0xFFAA86CF)
YUV	153.0860, 26.5796, 14.8336
Hunter-Lab	54.8646, 22.2985, -29.6180

Details

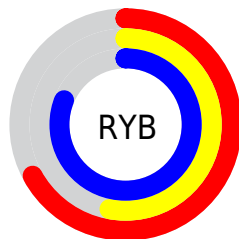
The Yxy color **30.1012, 0.2810, 0.2326** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.0280, 0.3358, 0.4254**, and the grayscale version is **31.7776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3552, 0.2940, 0.2589**, and **12.3896, 0.2704, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **23.8042, 0.2692, 0.2028**, and if you desaturate by 10%, it is **37.6144, 0.2916, 0.2619**.

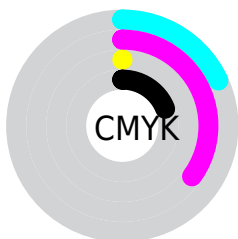
Distribution



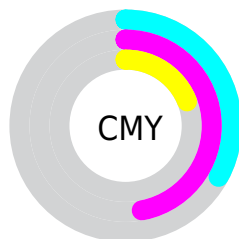
- Red (67%)
- Green (53%)
- Blue (81%)



- Red (67%)
- Yellow (53%)
- Blue (81%)



- Cyan (18%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)





- Cyan (33%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1012, 0.2810, 0.2326 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 30.1012, 0.2810, 0.2326 by changing the saturation by 10% instead.


 30.1012, 0.2810,
0.2326


 30.1012, 0.2810,
0.2326


302.3759, 0.2987,
0.2805


 19.9154, 0.2760,
0.2209

 59.8222, 0.2878,
0.2499

 12.3336, 0.2694,
0.2061


 80.1262, 0.2903,
0.2564

 6.9713, 0.2600,
0.1868


 104.5717, 0.2923,
0.2620

 3.4441, 0.2462,
0.1611

133.5431, 0.2940,
0.2667

 1.3678, 0.2241,
0.1257

167.4248, 0.2955,
0.2709

 0.1928, 0.1926,
0.0430

206.6013, 0.2967,

 0.0000, 0.0000,

0.2745

0.0000

251.4568, 0.2978,
0.2777

■ 30.1012, 0.2810,
0.2326

■ 30.1012, 0.2810,
0.2326

■ 23.8042, 0.2692,
0.2028

■ 37.6144, 0.2916,
0.2619

■ 18.6520, 0.2564,
0.1737

■ 46.4027, 0.3009,
0.2900

■ 14.5710, 0.2431,
0.1467


■ 56.5252, 0.3090,
0.3161


■ 11.4773, 0.2297,
0.1234


■ 68.0365, 0.3158,
0.3401


■ 9.2737, 0.2169,
0.1051


■ 80.9878, 0.3215,
0.3618


 7.8418, 0.2053,
0.0923

 93.3518, 0.3267,
0.3782

 7.3305, 0.2001,
0.0876

 95.1728, 0.3336,
0.3772

 97.1010, 0.3405,
0.3761

 97.2866, 0.3412,
0.3760

Harmonies

Analogous

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



30.1012, 0.2268, 0.2226



30.1012, 0.2810, 0.2326



30.1012, 0.3509, 0.2623

Triad

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



30.1012, 0.2810, 0.2326



30.1012, 0.4400, 0.4085



30.1012, 0.2169, 0.3416

Complementary

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



30.1012, 0.2810, 0.2326



55.0280, 0.3358, 0.4254

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.



30.1012, 0.2667, 0.4127



30.1012, 0.2810, 0.2326



30.1012, 0.3959, 0.4473

Square

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



30.1012, 0.2810, 0.2326



30.1012, 0.4490, 0.3576



30.1012, 0.3322, 0.4536



30.1012, 0.1932, 0.2763

Rectangle

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



30.1012, 0.2810, 0.2326



30.1012, 0.3962, 0.2905



30.1012, 0.3322, 0.4536



30.1012, 0.2309, 0.3664

Sweetspot

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



30.1024, 0.2810, 0.2326



80.7907, 0.3044, 0.3010



38.9806, 0.2567, 0.2795



16.8262, 0.3033, 0.2974



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.



30.1024, 0.2810, 0.2326



40.7386, 0.2726, 0.2110



34.6542, 0.3156, 0.2420



11.6995, 0.3058, 0.3055



4.6730, 0.2016, 0.0884



0.3085, 0.2218, 0.0995

Inverse Universe

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



33.2648, 0.3537, 0.2827



46.6842, 0.3657, 0.2731



51.5328, 0.3086, 0.4339



11.9069, 0.3212, 0.3173



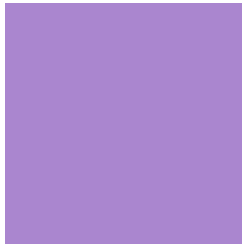
9.0200, 0.4914, 0.2480



0.5204, 0.4517, 0.2262

Previews

White Background



This preview shows how the Yxy color 30.1012, 0.2810, 0.2326 looks on a white background.

Color Contrast Check

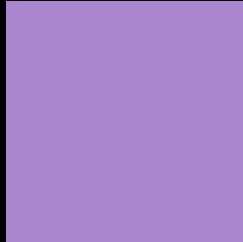
Large Text (above 18pt) WCAG AA × Fail

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 30.1012, 0.2810, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

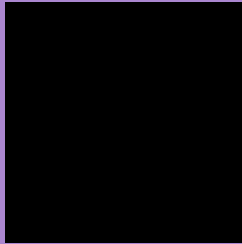
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1012, 0.2810, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 30.1012, 0.2810, 0.2326.



This preview shows how white text looks on a background with the Yxy color 30.1012, 0.2810, 0.2326.

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

30.1012, 0.2810, 0.2326

Protanopia

30.3128, 0.2396, 0.2302

Deuteranopia

30.1326, 0.2522, 0.2464



Tritanopia

29.9239, 0.3188, 0.3110

Trichromacy



Original Color

30.1012, 0.2810, 0.2326

Protanomaly

29.9009, 0.2531, 0.2305

Deuteranomaly

29.8648, 0.2620, 0.2404

Tritanomaly

29.7438, 0.3037, 0.2786

Monochromacy



Original Color

30.1012, 0.2810, 0.2326

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.9458, 0.3005, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1012, 0.2810, 0.2326 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(170, 134, 207)` looks like.

```
.text, #text, p{  
    color:rgb(170, 134, 207)  
}
```

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(170, 134, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 134, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.1012, 0.2810, 0.2326 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(170, 134, 207) }
```

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

```
.border{ border-color:rgb(170, 134, 207) }
```

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

Here you see how a box with a 4 pixel rgb(170, 134, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 134, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 134, 207);  
box-shadow:4px 4px 4px 4px rgb(170, 134,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1012, 0.2810, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 134, 207) }
```

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

```
.background{ background-color: rgb(170,  
134, 207) }
```

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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