

Converting Colors

$Yxy(30.6988, 0.3364, 0.2638)$

Have a look what the booklet for
Yxy(30.6988, 0.3364, 0.2638)
contains.

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Color

Yxy(30.6988, 0.3364, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	C680B3
RGB	198, 128, 179
RGB Percent	78%, 50%, 70%
CMY	0.2235, 0.4980, 0.2979
CMYK	0.00, 0.35, 0.10, 0.22
HSL	316°, 38%, 64%
HSV	316°, 35%, 78%
XYZ	39.1474, 30.6988, 46.5253
YIQ	154.7440, 25.3490, 30.7010

Conversions

Conversions Part 2

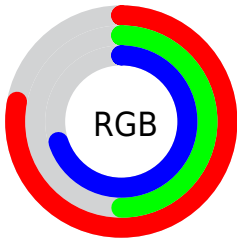
Format	Color
R_{YB}	198, 128, 179
Decimal	13009075
CIE _{Lab}	62.25, 34.72, -15.72
CIE _{LCh}	62, 38.111, 335.637
Yxy	30.6988, 0.3364, 0.2638
Android (android.graphics.Color)	4291199155 (0xFFC680B3)
YUV	154.7440, 11.9582, 37.9355
Hunter-Lab	55.4065, 29.1575, -11.0018

Details

The Yxy color **30.6988, 0.3364, 0.2638** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.0845, 0.2954, 0.4048**, and the grayscale version is **32.5983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7141, 0.3314, 0.2758**, and **12.6538, 0.3436, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **25.8162, 0.3454, 0.2458**, and if you desaturate by 10%, it is **36.6005, 0.3284, 0.2826**.

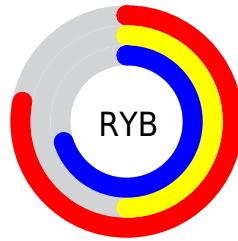
Distribution



Red (78%)

Green (50%)

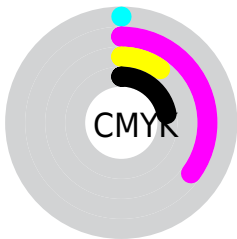
Blue (70%)



Red (78%)

Yellow (50%)

Blue (70%)

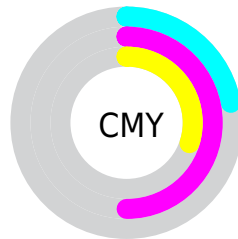


Cyan (0%)

Magenta (35%)

Yellow (10%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6988, 0.3364, 0.2638 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 30.6988, 0.3364, 0.2638 by changing the saturation by 10% instead.


 30.6988, 0.3364,
0.2638


 30.6988, 0.3364,
0.2638


305.1483, 0.3246,
0.2968


 20.3696, 0.3393,
0.2555


 60.7655, 0.3321,
0.2759

 12.6640, 0.3431,
0.2447

 81.2719, 0.3305,
0.2804

 7.1976, 0.3480,
0.2304


 105.9394, 0.3291,
0.2842

 3.5860, 0.3547,
0.2103

135.1525, 0.3280,
0.2874

 1.4448, 0.3643,
0.1806

169.2955, 0.3270,
0.2903

 0.2494, 0.3976,
0.0894

208.7529, 0.3261,

 0.0000, 0.1635,

0.2927

0.0000

253.9090, 0.3253,
0.2949

0.0000, 0.0000,
0.0000

30.6988, 0.3364,
0.2638

30.6988, 0.3364,
0.2638

25.8162, 0.3454,
0.2458

36.6005, 0.3284,
0.2826

21.8895, 0.3553,
0.2294

43.5713, 0.3215,
0.3013

18.8550, 0.3660,
0.2157


51.6628, 0.3155,
0.3196


16.6396, 0.3771,
0.2057


60.9224, 0.3105,
0.3370


15.1583, 0.3884,
0.2001

71.3943, 0.3062,
0.3533

 14.3071, 0.3993,
0.1994

 83.1208, 0.3026,
0.3684

 14.0302, 0.4043,
0.2001

 88.5150, 0.2996,
0.3708

 88.7981, 0.2967,
0.3648

 89.0904, 0.2938,
0.3588

Harmonies

Analogous

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



30.6988, 0.2757, 0.2395



30.6988, 0.3364, 0.2638



30.6988, 0.3954, 0.3022

Triad

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



30.6988, 0.3364, 0.2638



30.6988, 0.3956, 0.4303



30.6988, 0.2075, 0.2914

Complementary

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



30.6988, 0.3364, 0.2638



47.0845, 0.2954, 0.4048

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.



30.6988, 0.2335, 0.3513



30.6988, 0.3364, 0.2638



30.6988, 0.3409, 0.4400

Square

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



30.6988, 0.3364, 0.2638



30.6988, 0.4297, 0.3944



30.6988, 0.2816, 0.4103



30.6988, 0.2065, 0.2508

Rectangle

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



30.6988, 0.3364, 0.2638



30.6988, 0.4227, 0.3325



30.6988, 0.2816, 0.4103



30.6988, 0.2134, 0.3098

Sweetspot

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



30.7002, 0.3364, 0.2638



82.9108, 0.3189, 0.3091



25.6878, 0.2659, 0.2286



17.3333, 0.3197, 0.3065



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.



30.7002, 0.3364, 0.2638



47.8979, 0.3428, 0.2506



29.4681, 0.3763, 0.3075



10.7657, 0.3178, 0.3123



9.1388, 0.4029, 0.1993



0.4444, 0.3822, 0.1879

Inverse Universe

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



30.7002, 0.3364, 0.2638



47.8979, 0.3428, 0.2506



48.3425, 0.2732, 0.3521



10.7657, 0.3178, 0.3123



9.1388, 0.4029, 0.1993



0.4444, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 30.6988, 0.3364, 0.2638 looks on a white background.

Color Contrast Check

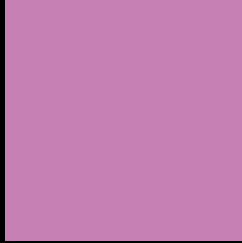
Large Text (above 18pt) WCAG AA × Fail

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 30.6988, 0.3364, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

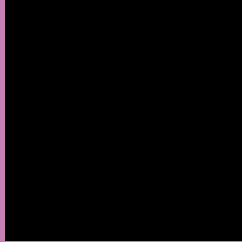
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6988, 0.3364, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 30.6988, 0.3364, 0.2638.



This preview shows how white text looks on a background with the Yxy color 30.6988, 0.3364, 0.2638.

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

30.6988, 0.3364, 0.2638

Protanopia

30.8789, 0.2653, 0.2631

Deuteranopia

30.8721, 0.2930, 0.2863



Tritanopia

30.8416, 0.3687, 0.3157

Trichromacy



Original Color

30.6988, 0.3364, 0.2638

Protanomaly

30.1975, 0.2872, 0.2612

Deuteranomaly

30.4765, 0.3079, 0.2769

Tritanomaly

30.5390, 0.3569, 0.2958

Monochromacy



Original Color

30.6988, 0.3364, 0.2638

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.5891, 0.3212, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6988, 0.3364, 0.2638 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(198, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(198, 128, 179)  
}
```

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(198, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 128, 179) }
```

Border

The CSS property to change the border of an element to Yxy 30.6988, 0.3364, 0.2638 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(198, 128, 179) }
```

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

```
.border{ border-color:rgb(198, 128, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(198, 128,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6988, 0.3364, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 128, 179) }
```

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

```
.background{ background-color: rgb(198,  
128, 179) }
```

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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