

Converting Colors

$Y_{xy}(30.8558, 0.3515, 0.2753)$

Have a look what the booklet for
Yxy(30.8558, 0.3515, 0.2753)
contains.

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Color

Yxy(30.8972, 0.3507, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	CA80AA
RGB	202, 128, 170
RGB Percent	79%, 50%, 67%
CMY	0.2079, 0.4980, 0.3333
CMYK	0.00, 0.37, 0.16, 0.21
HSL	326°, 41%, 65%
HSV	326°, 37%, 79%
XYZ	39.3308, 30.8972, 41.9215
YIQ	154.9140, 30.6220, 28.7500

Conversions

Conversions Part 2

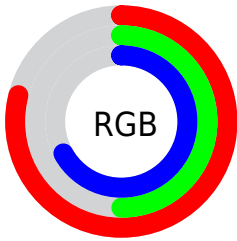
Format	Color
R _{YB}	202, 128, 170
Decimal	13271210
CIE Lab	62.42, 34.57, -10.29
CIE LCh	62, 36.071, 343.426
Yxy	30.8972, 0.3507, 0.2755
Android (android.graphics.Color)	4291461290 (0xFFCA80AA)
YUV	154.9140, 7.4374, 41.2944
Hunter-Lab	55.5852, 29.0283, -5.8059

Details

The Yxy color **30.8972, 0.3507, 0.2755** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.3664, 0.2873, 0.3899**, and the grayscale version is **32.6957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1521, 0.3395, 0.2854**, and **12.7268, 0.3616, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **25.8233, 0.3656, 0.2611**, and if you desaturate by 10%, it is **37.0448, 0.3379, 0.2905**.

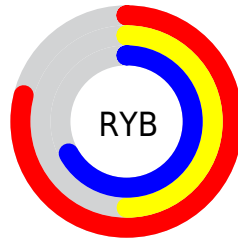
Distribution



Red (79%)

Green (50%)

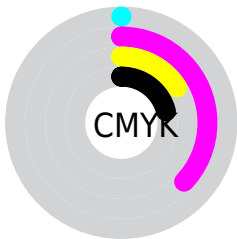
Blue (67%)



Red (79%)

Yellow (50%)

Blue (67%)

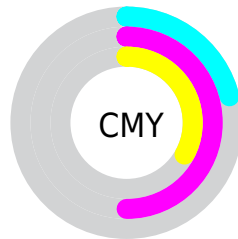


Cyan (0%)

Magenta (37%)

Yellow (16%)

Black (21%)



Cyan (21%)


Magenta (50%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8972, 0.3507, 0.2755 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 30.8972, 0.3507, 0.2755 by changing the saturation by 10% instead.


 30.8972, 0.3507,
0.2755


 30.8972, 0.3507,
0.2755


306.0644, 0.3310,
0.3029

 20.5206, 0.3558,
0.2685


 61.0782, 0.3434,
0.2856

 12.7740, 0.3626,
0.2593


 81.6513, 0.3407,
0.2893

 7.2731, 0.3718,
0.2470


 106.3921, 0.3384,
0.2925

 3.6335, 0.3852,
0.2295

135.6850, 0.3365,
0.2952

 1.4707, 0.4062,
0.2027

169.9142, 0.3348,
0.2975

 0.2680, 0.4680,
0.1114

209.4643, 0.3334,

 0.0000, 1.0000,

0.2995

0.0000

254.7196, 0.3321,
0.3013

0.0000, 0.0000,
0.0000

30.8972, 0.3507,
0.2755

30.8972, 0.3507,
0.2755

25.8233, 0.3656,
0.2611

37.0448, 0.3379,
0.2905

21.7558, 0.3825,
0.2482

44.3197, 0.3270,
0.3054

18.6265, 0.4012,
0.2380


52.7768, 0.3179,
0.3199


16.3568, 0.4212,
0.2315


62.4665, 0.3103,
0.3335

14.8550, 0.4417,
0.2299

73.4359, 0.3040,
0.3463

 14.0020, 0.4618,
0.2336

 85.7298, 0.2988,
0.3580

 13.7855, 0.4685,
0.2355

 89.8534, 0.2941,
0.3544

 90.3598, 0.2894,
0.3449

 90.8912, 0.2849,
0.3356

Harmonies

Analogous

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



30.8972, 0.2918, 0.2483



30.8972, 0.3507, 0.2755



30.8972, 0.4023, 0.3148

Triad

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



30.8972, 0.3507, 0.2755



30.8972, 0.3794, 0.4304



30.8972, 0.2102, 0.2816

Complementary

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



30.8972, 0.3507, 0.2755



49.3664, 0.2873, 0.3899

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.



30.8972, 0.2290, 0.3347



30.8972, 0.3507, 0.2755



30.8972, 0.3250, 0.4298

Square

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



30.8972, 0.3507, 0.2755



30.8972, 0.4178, 0.4018



30.8972, 0.2701, 0.3927



30.8972, 0.2154, 0.2486

Rectangle

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



30.8972, 0.3507, 0.2755



30.8972, 0.4228, 0.3444



30.8972, 0.2701, 0.3927



30.8972, 0.2137, 0.2975

Sweetspot

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



30.8986, 0.3507, 0.2755



82.6341, 0.3218, 0.3134



27.0587, 0.2741, 0.2272



17.2672, 0.3231, 0.3114



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.



30.8986, 0.3507, 0.2755



45.3247, 0.3624, 0.2639



29.7224, 0.3932, 0.3211



11.3186, 0.3203, 0.3159



8.8895, 0.4660, 0.2341



0.4737, 0.4301, 0.2143

Inverse Universe

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



30.8986, 0.3507, 0.2755



45.3247, 0.3624, 0.2639



50.8061, 0.2654, 0.3374



11.3186, 0.3203, 0.3159



8.8895, 0.4660, 0.2341



0.4737, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 30.8972, 0.3507, 0.2755 looks on a white background.

Color Contrast Check

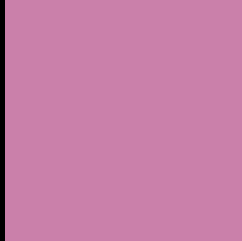
Large Text (above 18pt) WCAG AA × Fail

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 30.8972, 0.3507, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

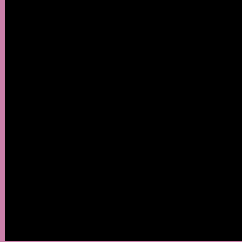
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8972, 0.3507, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 30.8972, 0.3507, 0.2755.



This preview shows how white text looks on a background with the Yxy color 30.8972, 0.3507, 0.2755.

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

30.8972, 0.3507, 0.2755

Protanopia

31.2027, 0.2773, 0.2786

Deuteranopia

31.0284, 0.3060, 0.2995



Tritanopia

30.9003, 0.3773, 0.3159

Trichromacy



Original Color

30.8972, 0.3507, 0.2755

Protanomaly

30.6000, 0.3010, 0.2764

Deuteranomaly

30.6973, 0.3220, 0.2896

Tritanomaly

30.8119, 0.3673, 0.3003

Monochromacy



Original Color

30.8972, 0.3507, 0.2755

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.5595, 0.3263, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8972, 0.3507, 0.2755 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(202, 128, 170)` looks like.

```
.text, #text, p{  
    color:rgb(202, 128, 170)  
}
```

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(202, 128, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 128, 170) }
```

Border

The CSS property to change the border of an element to Yxy 30.8972, 0.3507, 0.2755 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(202, 128, 170) }
```

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

```
.border{ border-color:rgb(202, 128, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 128, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 128, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 128, 170);  
box-shadow:4px 4px 4px 4px rgb(202, 128,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8972, 0.3507, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 128, 170) }
```

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

```
.background{ background-color: rgb(202,  
128, 170) }
```

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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