

Converting Colors

$Y_{xy}(31.0148, 0.3585, 0.2738)$

Have a look what the booklet for
Yxy(31.0148, 0.3585, 0.2738)
contains.

Yxy(30.9794, 0.3579, 0.2731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9794, 0.3579, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	D07DAA
RGB	208, 125, 170
RGB Percent	82%, 49%, 67%
CMY	0.1843, 0.5098, 0.3334
CMYK	0.00, 0.40, 0.18, 0.18
HSL	327°, 47%, 65%
HSV	327°, 40%, 82%
XYZ	40.5988, 30.9794, 41.8579
YIQ	154.9470, 35.0230, 31.5910

Conversions

Conversions Part 2

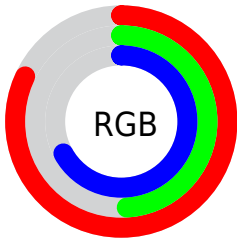
Format	Color
R_{YB}	208, 125, 170
Decimal	13663658
CIE _{Lab}	62.49, 38.23, -10.10
CIE _{LCh}	62, 39.545, 345.209
Yxy	30.9794, 0.3579, 0.2731
Android (android.graphics.Color)	4291853738 (0xFFD07DAA)
YUV	154.9470, 7.4211, 46.5275
Hunter-Lab	55.6591, 32.7976, -5.6271

Details

The Yxy color **30.9794, 0.3579, 0.2731** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **52.1158, 0.2840, 0.3934**, and the grayscale version is **32.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9364, 0.3399, 0.2823**, and **12.8810, 0.3719, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **25.9064, 0.3745, 0.2597**, and if you desaturate by 10%, it is **37.1841, 0.3435, 0.2874**.

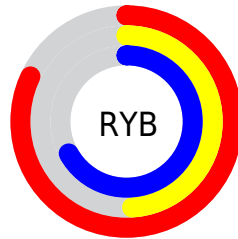
Distribution



Red (82%)

Green (49%)

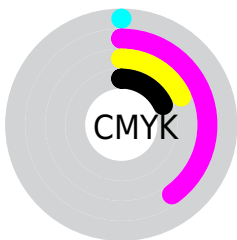
Blue (67%)



Red (82%)

Yellow (49%)

Blue (67%)

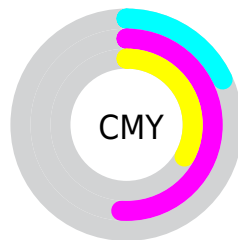


Cyan (0%)

Magenta (40%)

Yellow (18%)

Black (18%)



Cyan (18%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9794, 0.3579, 0.2731 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 30.9794, 0.3579, 0.2731 by changing the saturation by 10% instead.


 30.9794, 0.3579,
0.2731


 30.9794, 0.3579,
0.2731


306.4434, 0.3344,
0.3017

 20.5832, 0.3640,
0.2658


 61.2076, 0.3492,
0.2836

 12.8197, 0.3721,
0.2563


 81.8084, 0.3459,
0.2875

 7.3045, 0.3832,
0.2435


 106.5795, 0.3432,
0.2908

 3.6532, 0.3992,
0.2254

135.9053, 0.3410,
0.2936

 1.4815, 0.4243,
0.1980

170.1702, 0.3390,
0.2960

 0.2757, 0.4931,
0.1090

209.7586, 0.3373,

 0.0000, 1.0000,

0.2982

0.0000

255.0549, 0.3358,
0.3000

0.0000, 0.0000,
0.0000

30.9794, 0.3579,
0.2731

30.9794, 0.3579,
0.2731

25.9064, 0.3745,
0.2597

37.1841, 0.3435,
0.2874

21.8908, 0.3934,
0.2481

44.5800, 0.3314,
0.3018

18.8562, 0.4141,
0.2395


53.2276, 0.3211,
0.3158


16.7141, 0.4360,
0.2352


63.1822, 0.3126,
0.3291


15.3594, 0.4581,
0.2360

74.4954, 0.3056,
0.3416

 14.6016, 0.4795,
0.2416

 87.2163, 0.2997,
0.3532

 14.5948, 0.4798,
0.2417

 91.0251, 0.2946,
0.3482

 91.5960, 0.2895,
0.3381

 92.1492, 0.2849,
0.3289

Harmonies

Analogous

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



30.9794, 0.2933, 0.2429



30.9794, 0.3579, 0.2731



30.9794, 0.4136, 0.3158

Triad

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



30.9794, 0.3579, 0.2731



30.9794, 0.3816, 0.4408



30.9794, 0.2012, 0.2739

Complementary

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



30.9794, 0.3579, 0.2731



52.1158, 0.2840, 0.3934

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.



30.9794, 0.2196, 0.3308



30.9794, 0.3579, 0.2731



30.9794, 0.3217, 0.4389

Square

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



30.9794, 0.3579, 0.2731



30.9794, 0.4254, 0.4098



30.9794, 0.2626, 0.3959



30.9794, 0.2084, 0.2401

Rectangle

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



30.9794, 0.3579, 0.2731



30.9794, 0.4346, 0.3477



30.9794, 0.2626, 0.3959



30.9794, 0.2044, 0.2907

Sweetspot

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



30.9809, 0.3579, 0.2731



81.1363, 0.3233, 0.3127



26.9426, 0.2723, 0.2178



16.9667, 0.3246, 0.3109



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.



30.9809, 0.3579, 0.2731



42.0456, 0.3722, 0.2614



29.6687, 0.4075, 0.3240



11.9139, 0.3207, 0.3165



9.1165, 0.4769, 0.2401



0.5257, 0.4406, 0.2201

Inverse Universe

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



30.9809, 0.3579, 0.2731



42.0456, 0.3722, 0.2614



53.8226, 0.2603, 0.3345



11.9139, 0.3207, 0.3165



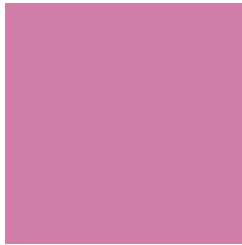
9.1165, 0.4769, 0.2401



0.5257, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 30.9794, 0.3579, 0.2731 looks on a white background.

Color Contrast Check

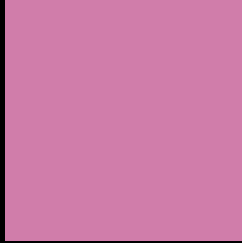
Large Text (above 18pt) WCAG AA × Fail

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 30.9794, 0.3579, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

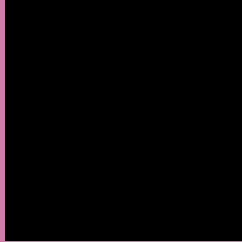
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9794, 0.3579, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 30.9794, 0.3579, 0.2731.



This preview shows how white text looks on a background with the Yxy color 30.9794, 0.3579, 0.2731.

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

30.9794, 0.3579, 0.2731

Protanopia

31.2402, 0.2741, 0.2744

Deuteranopia

31.0942, 0.3079, 0.3010



Tritanopia

31.1052, 0.3883, 0.3176

Trichromacy



Original Color

30.9794, 0.3579, 0.2731

Protanomaly

30.6014, 0.3011, 0.2726

Deuteranomaly

30.6024, 0.3252, 0.2898

Tritanomaly

31.0567, 0.3770, 0.3010

Monochromacy



Original Color

30.9794, 0.3579, 0.2731

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.4833, 0.3285, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9794, 0.3579, 0.2731 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(208, 125, 170)` looks like.

```
.text, #text, p{  
    color:rgb(208, 125, 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(208, 125, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 125, 170) }
```

Border

The CSS property to change the border of an element to Yxy 30.9794, 0.3579, 0.2731 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(208, 125, 170) }
```

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

```
.border{ border-color:rgb(208, 125, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 125, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 125, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 125, 170);  
box-shadow:4px 4px 4px 4px rgb(208, 125,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9794, 0.3579, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 125, 170) }
```

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

```
.background{ background-color: rgb(208,  
125, 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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