

Converting Colors

$Y_{xy}(30.7661, 0.3522, 0.2711)$

Have a look what the booklet for
Yxy(30.7661, 0.3522, 0.2711)
contains.

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Color

Yxy(30.8794, 0.3521, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	CD7EAC
RGB	205, 126, 172
RGB Percent	80%, 49%, 67%
CMY	0.1962, 0.5058, 0.3256
CMYK	0.00, 0.39, 0.16, 0.20
HSL	325°, 44%, 65%
HSV	325°, 39%, 80%
XYZ	40.0761, 30.8794, 42.8647
YIQ	154.8650, 32.3180, 31.0540

Conversions

Conversions Part 2

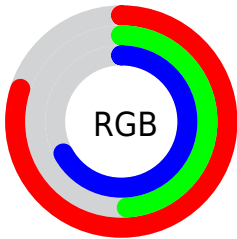
Format	Color
R _Y B	205, 126, 172
Decimal	13467308
CIE Lab	62.41, 36.98, -11.40
CIE LCh	62, 38.693, 342.867
Yxy	30.8794, 0.3521, 0.2713
Android (android.graphics.Color)	4291657388 (0xFFCD7EAC)
YUV	154.8650, 8.4476, 43.9684
Hunter-Lab	55.5692, 31.4865, -6.8363

Details

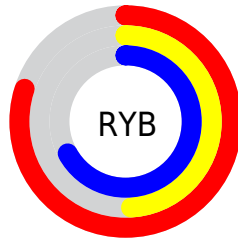
The Yxy color **30.8794, 0.3521, 0.2713** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.5904, 0.2868, 0.3955**, and the grayscale version is **32.6679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4486, 0.3381, 0.2814**, and **12.7778, 0.3635, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **25.8451, 0.3668, 0.2568**, and if you desaturate by 10%, it is **37.0117, 0.3393, 0.2866**.

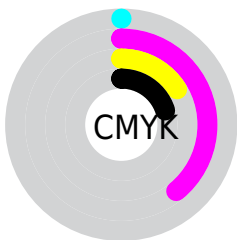
Distribution



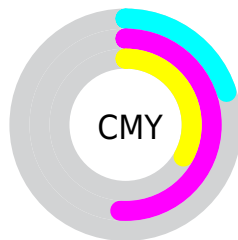
- Red (80%)
- Green (49%)
- Blue (67%)



- Red (80%)
- Yellow (49%)
- Blue (67%)



- Cyan (0%)
- Magenta (39%)
- Yellow (16%)
- Black (20%)




- Cyan (20%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8794, 0.3521, 0.2713 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 30.8794, 0.3521, 0.2713 by changing the saturation by 10% instead.


 30.8794, 0.3521,
0.2713


 30.8794, 0.3521,
0.2713


305.9823, 0.3318,
0.3007


 20.5070, 0.3574,
0.2638


 61.0501, 0.3446,
0.2821

 12.7641, 0.3643,
0.2541


 81.6173, 0.3418,
0.2861

 7.2663, 0.3737,
0.2410


 106.3515, 0.3394,
0.2895

 3.6292, 0.3873,
0.2225

135.6372, 0.3374,
0.2924

 1.4684, 0.4083,
0.1946

169.8587, 0.3357,
0.2949

 0.2663, 0.4683,
0.1042

209.4005, 0.3342,

 0.0000, 1.0000,

0.2971

0.0000

254.6469, 0.3329,
0.2990

0.0000, 0.0000,
0.0000

30.8794, 0.3521,
0.2713

30.8794, 0.3521,
0.2713

25.8451, 0.3668,
0.2568

37.0117, 0.3393,
0.2866

21.8382, 0.3835,
0.2440

44.2985, 0.3285,
0.3020

18.7862, 0.4017,
0.2341

52.7976, 0.3193,
0.3169

16.6056, 0.4210,
0.2282

62.5616, 0.3117,
0.3311

15.1982, 0.4406,
0.2273

73.6400, 0.3053,
0.3443

■ 14.4111, 0.4598,
0.2315

■ 86.0795, 0.3000,
0.3566

■ 14.3142, 0.4626,
0.2322

■ 90.3181, 0.2954,
0.3534

■ 90.8168, 0.2908,
0.3442

■ 91.3395, 0.2863,
0.3351

Harmonies

Analogous

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



30.8794, 0.2890, 0.2428



30.8794, 0.3521, 0.2713



30.8794, 0.4081, 0.3126

Triad

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



30.8794, 0.3521, 0.2713



30.8794, 0.3845, 0.4371



30.8794, 0.2037, 0.2787

Complementary

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



30.8794, 0.3521, 0.2713



50.5904, 0.2868, 0.3955

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.



30.8794, 0.2239, 0.3359



30.8794, 0.3521, 0.2713



30.8794, 0.3265, 0.4381

Square

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



30.8794, 0.3521, 0.2713



30.8794, 0.4255, 0.4053



30.8794, 0.2678, 0.3988



30.8794, 0.2088, 0.2435

Rectangle

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



30.8794, 0.3521, 0.2713



30.8794, 0.4305, 0.3439



30.8794, 0.2678, 0.3988



30.8794, 0.2076, 0.2958

Sweetspot

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



30.8808, 0.3521, 0.2713



81.2100, 0.3225, 0.3115



26.6973, 0.2716, 0.2213



16.9840, 0.3237, 0.3096



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.



30.8808, 0.3521, 0.2713



43.8059, 0.3638, 0.2595



29.5858, 0.3994, 0.3207



11.3213, 0.3201, 0.3156



8.9333, 0.4600, 0.2308



0.4758, 0.4257, 0.2119

Inverse Universe

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



30.8808, 0.3521, 0.2713



43.8059, 0.3638, 0.2595



52.1818, 0.2633, 0.3379



11.3213, 0.3201, 0.3156



8.9333, 0.4600, 0.2308



0.4758, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 30.8794, 0.3521, 0.2713 looks on a white background.

Color Contrast Check

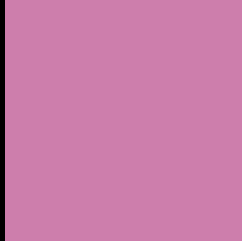
Large Text (above 18pt) WCAG AA × Fail

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 30.8794, 0.3521, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

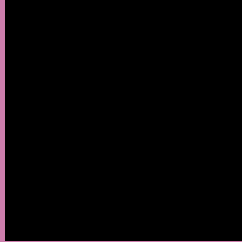
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8794, 0.3521, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 30.8794, 0.3521, 0.2713.



This preview shows how white text looks on a background with the Yxy color 30.8794, 0.3521, 0.2713.

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

30.8794, 0.3521, 0.2713

Protanopia

31.1943, 0.2725, 0.2729

Deuteranopia

30.9637, 0.3041, 0.2979



Tritanopia

31.0121, 0.3822, 0.3161

Trichromacy



Original Color

30.8794, 0.3521, 0.2713



Protanomaly

30.4265, 0.2982, 0.2710



Deuteranomaly

30.4438, 0.3210, 0.2868



Tritanomaly

30.9617, 0.3709, 0.2994

Monochromacy



Original Color

30.8794, 0.3521, 0.2713



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.4040, 0.3264, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8794, 0.3521, 0.2713 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(205, 126, 172)` looks like.

```
.text, #text, p{  
    color:rgb(205, 126, 172)  
}
```

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(205, 126, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 126, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.8794, 0.3521, 0.2713 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(205, 126, 172) }
```

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

```
.border{ border-color:rgb(205, 126, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 126, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 126, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 126, 172);  
box-shadow:4px 4px 4px 4px rgb(205, 126,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8794, 0.3521, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 126, 172) }
```

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

```
.background{ background-color: rgb(205,  
126, 172) }
```

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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