

Converting Colors

$Y_{xy}(33.7516, 0.3354, 0.2494)$

Have a look what the booklet for
Yxy(33.7516, 0.3354, 0.2494)
contains.

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Color

Yxy(33.7200, 0.3352, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	D680C4
RGB	214, 128, 196
RGB Percent	84%, 50%, 77%
CMY	0.1608, 0.4980, 0.2313
CMYK	0.00, 0.40, 0.08, 0.16
HSL	313°, 51%, 67%
HSV	313°, 40%, 84%
XYZ	45.4116, 33.7200, 56.3445
YIQ	161.4660, 29.4280, 39.3800

Conversions

Conversions Part 2

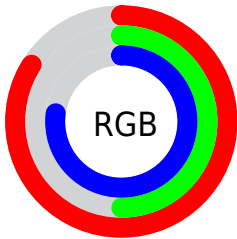
Format	Color
R _Y B	214, 128, 196
Decimal	14057668
CIE Lab	64.74, 42.87, -21.36
CIE LCh	65, 47.894, 333.511
Yxy	33.7200, 0.3352, 0.2489
Android (android.graphics.Color)	4292247748 (0xFFD680C4)
YUV	161.4660, 17.0253, 46.0723
Hunter-Lab	58.0689, 37.9716, -16.8811

Details

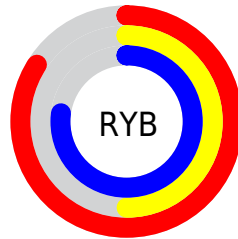
The Yxy color **33.7200, 0.3352, 0.2489** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **54.7503, 0.2965, 0.4256**, and the grayscale version is **35.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8077, 0.3176, 0.2593**, and **14.3910, 0.3413, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **28.5142, 0.3426, 0.2303**, and if you desaturate by 10%, it is **40.1120, 0.3285, 0.2688**.

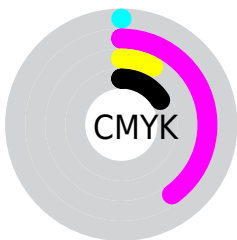
Distribution



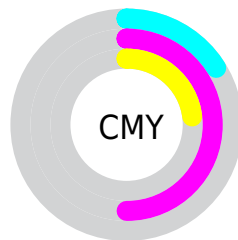
- Red (84%)
- Green (50%)
- Blue (77%)



- Red (84%)
- Yellow (50%)
- Blue (77%)



- Cyan (0%)
- Magenta (40%)
- Yellow (8%)
- Black (16%)




- Cyan (16%)
- Magenta (50%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7200, 0.3352, 0.2489 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 33.7200, 0.3352, 0.2489 by changing the saturation by 10% instead.


 33.7200, 0.3352,
0.2489


 33.7200, 0.3352,
0.2489


318.8817, 0.3246,
0.2882

 22.6786, 0.3376,
0.2394


 65.4980, 0.3315,
0.2630

 14.3564, 0.3406,
0.2274


 87.0034, 0.3301,
0.2683

 8.3689, 0.3443,
0.2117


 112.7655, 0.3289,
0.2729

 4.3319, 0.3489,
0.1906

143.1689, 0.3278,
0.2768

 1.8609, 0.3548,
0.1610

178.5977, 0.3269,
0.2802

 0.5247, 0.3650,
0.1089

219.4366, 0.3260,

 0.0000, 0.3645,

0.2832

0.0000

266.0698, 0.3253,
0.2858

0.0000, 0.0000,
0.0000

33.7200, 0.3352,
0.2489

33.7200, 0.3352,
0.2489

28.5142, 0.3426,
0.2303

40.1120, 0.3285,
0.2688

24.4154, 0.3505,
0.2141

47.7537, 0.3225,
0.2891

21.3418, 0.3587,
0.2012

56.7096, 0.3173,
0.3093

19.1985, 0.3670,
0.1924

67.0385, 0.3128,
0.3287

17.8728, 0.3751,
0.1883

78.7954, 0.3089,
0.3471

■ 17.1674, 0.3828,
0.1882

■ 91.1336, 0.3057,
0.3628

■ 91.3779, 0.3032,
0.3580

■ 91.6287, 0.3008,
0.3532

■ 91.8859, 0.2983,
0.3484

Harmonies

Analogous

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



33.7200, 0.2629, 0.2220



33.7200, 0.3352, 0.2489



33.7200, 0.4089, 0.2924

Triad

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



33.7200, 0.3352, 0.2489



33.7200, 0.4146, 0.4475



33.7200, 0.1887, 0.2862

Complementary

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



33.7200, 0.3352, 0.2489



54.7503, 0.2965, 0.4256

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.



33.7200, 0.2203, 0.3611



33.7200, 0.3352, 0.2489



33.7200, 0.3496, 0.4663

Square

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



33.7200, 0.3352, 0.2489



33.7200, 0.4551, 0.4004



33.7200, 0.2784, 0.4345



33.7200, 0.1862, 0.2368

Rectangle

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



33.7200, 0.3352, 0.2489



33.7200, 0.4441, 0.3271



33.7200, 0.2784, 0.4345



33.7200, 0.1960, 0.3091

Sweetspot

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



33.7215, 0.3352, 0.2489



81.6013, 0.3183, 0.3054



26.3347, 0.2527, 0.2108



17.0764, 0.3189, 0.3027



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.



33.7215, 0.3352, 0.2489



43.6057, 0.3413, 0.2334



32.0622, 0.3827, 0.2973



12.5861, 0.3169, 0.3107



10.3940, 0.3817, 0.1876



0.6383, 0.3692, 0.1807

Inverse Universe

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



33.7215, 0.3352, 0.2489



43.6057, 0.3413, 0.2334



56.3145, 0.2718, 0.3640



12.5861, 0.3169, 0.3107



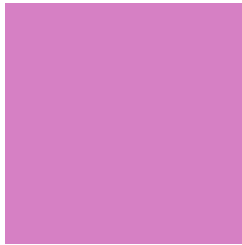
10.3940, 0.3817, 0.1876



0.6383, 0.3692, 0.1807

Previews

White Background



This preview shows how the Yxy color 33.7200, 0.3352, 0.2489 looks on a white background.

Color Contrast Check

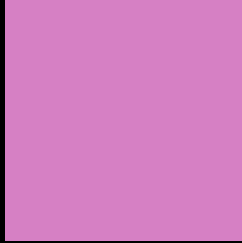
Large Text (above 18pt) WCAG AA × Fail

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 33.7200, 0.3352, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

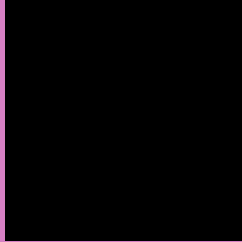
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7200, 0.3352, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 33.7200, 0.3352, 0.2489.



This preview shows how white text looks on a background with the Yxy color 33.7200, 0.3352, 0.2489.

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

33.7200, 0.3352, 0.2489

Protanopia

33.9760, 0.2520, 0.2452

Deuteranopia

33.9407, 0.2827, 0.2768



Tritanopia

33.7250, 0.3795, 0.3165

Trichromacy



Original Color

33.7200, 0.3352, 0.2489



Protanomaly

33.0697, 0.2775, 0.2443



Deuteranomaly

33.4482, 0.3001, 0.2650



Tritanomaly

33.4684, 0.3636, 0.2905

Monochromacy



Original Color

33.7200, 0.3352, 0.2489



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.2542, 0.3203, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7200, 0.3352, 0.2489 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(214, 128, 196)` looks like.

```
.text, #text, p{  
    color:rgb(214, 128, 196)  
}
```

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(214, 128, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 128, 196) }
```

Border

The CSS property to change the border of an element to Yxy 33.7200, 0.3352, 0.2489 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(214, 128, 196) }
```

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

```
.border{ border-color:rgb(214, 128, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 128, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 128, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 128, 196);  
box-shadow:4px 4px 4px 4px rgb(214, 128,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7200, 0.3352, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 128, 196) }
```

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

```
.background{ background-color: rgb(214,  
128, 196) }
```

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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