

Converting Colors

$Y_{xy}(33.8556, 0.3324, 0.2465)$

Have a look what the booklet for
Yxy(33.8556, 0.3324, 0.2465)
contains.

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Color

Yxy(33.8117, 0.3332, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	D680C6
RGB	214, 128, 198
RGB Percent	84%, 50%, 78%
CMY	0.1607, 0.4981, 0.2236
CMYK	0.00, 0.40, 0.07, 0.16
HSL	311°, 51%, 67%
HSV	311°, 40%, 84%
XYZ	45.6485, 33.8117, 57.5402
YIQ	161.6940, 28.7860, 40.0020

Conversions

Conversions Part 2

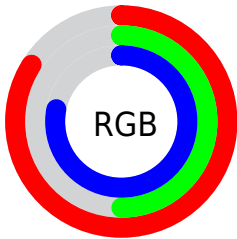
Format	Color
R_{YB}	214, 128, 198
Decimal	14057670
CIE _{Lab}	64.81, 43.23, -22.36
CIE _{LCh}	65, 48.672, 332.646
Yxy	33.8117, 0.3332, 0.2468
Android (android.graphics.Color)	4292247750 (0xFFD680C6)
YUV	161.6940, 17.8989, 45.8724
Hunter-Lab	58.1478, 38.3714, -17.9669

Details

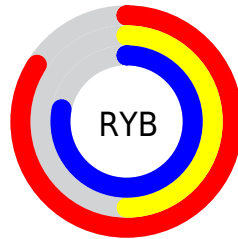
The Yxy color **33.8117, 0.3332, 0.2468** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **54.7101, 0.2976, 0.4286**, and the grayscale version is **35.8860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **14.4516, 0.3383, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **28.6252, 0.3398, 0.2278**, and if you desaturate by 10%, it is **40.1835, 0.3271, 0.2671**.

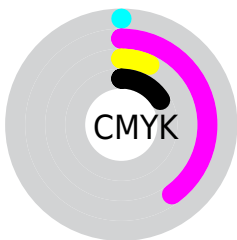
Distribution



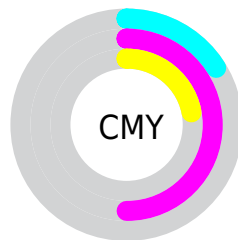
- Red (84%)
- Green (50%)
- Blue (78%)



- Red (84%)
- Yellow (50%)
- Blue (78%)



- Cyan (0%)
- Magenta (40%)
- Yellow (7%)
- Black (16%)





- Cyan (16%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8117, 0.3332, 0.2468 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 33.8117, 0.3332, 0.2468 by changing the saturation by 10% instead.


 33.8117, 0.3332,
0.2468


 33.8117, 0.3332,
0.2468


319.2916, 0.3237,
0.2870


 22.7490, 0.3353,
0.2371


 65.6407, 0.3299,
0.2612

 14.4083, 0.3379,
0.2249


 87.1759, 0.3287,
0.2666

 8.4052, 0.3410,
0.2090


 112.9705, 0.3276,
0.2713

 4.3553, 0.3448,
0.1876

143.4092, 0.3266,
0.2753

 1.8742, 0.3493,
0.1578

178.8763, 0.3258,
0.2788

 0.5328, 0.3566,
0.1064

219.7561, 0.3250,


 0.0000, 0.3519,


0.2819


0.0000


266.4331, 0.3243,
0.2846


 0.0000, 0.0000,
0.0000


 33.8117, 0.3332,
0.2468


 33.8117, 0.3332,
0.2468

 28.6252, 0.3398,
0.2278


 40.1835, 0.3271,
0.2671


 24.5448, 0.3469,
0.2113


 47.8043, 0.3217,
0.2880

 21.4888, 0.3541,
0.1980

 56.7385, 0.3169,
0.3087

 19.3621, 0.3614,
0.1890

 67.0450, 0.3128,
0.3286

 18.0519, 0.3685,
0.1845

 78.7788, 0.3092,
0.3475

■ 17.3614, 0.3751,
0.1840

■ 91.0903, 0.3063,
0.3638

■ 91.3067, 0.3040,
0.3595

■ 91.5282, 0.3018,
0.3552

■ 91.7548, 0.2996,
0.3510

Harmonies

Analogous

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



33.8117, 0.2602, 0.2202



33.8117, 0.3332, 0.2468



33.8117, 0.4085, 0.2904

Triad

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



33.8117, 0.3332, 0.2468



33.8117, 0.4175, 0.4479



33.8117, 0.1876, 0.2873

Complementary

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



33.8117, 0.3332, 0.2468



54.7101, 0.2976, 0.4286

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.



33.8117, 0.2203, 0.3639



33.8117, 0.3332, 0.2468



33.8117, 0.3520, 0.4685

Square

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



33.8117, 0.3332, 0.2468



33.8117, 0.4577, 0.3995



33.8117, 0.2798, 0.4380



33.8117, 0.1842, 0.2365

Rectangle

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



33.8117, 0.3332, 0.2468



33.8117, 0.4450, 0.3254



33.8117, 0.2798, 0.4380



33.8117, 0.1952, 0.3107

Sweetspot

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



33.8132, 0.3332, 0.2468



81.6446, 0.3178, 0.3047



26.2008, 0.2514, 0.2103



17.0866, 0.3184, 0.3020



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.



33.8132, 0.3332, 0.2468



43.7624, 0.3386, 0.2310



32.1110, 0.3810, 0.2956



12.5911, 0.3166, 0.3102



10.5053, 0.3742, 0.1835



0.6441, 0.3633, 0.1775

Inverse Universe

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



33.8132, 0.3332, 0.2468



43.7624, 0.3386, 0.2310



56.2742, 0.2726, 0.3661



12.5911, 0.3166, 0.3102



10.5053, 0.3742, 0.1835



0.6441, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 33.8117, 0.3332, 0.2468 looks on a white background.

Color Contrast Check

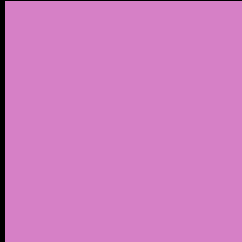
Large Text (above 18pt) WCAG AA × Fail

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 33.8117, 0.3332, 0.2468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

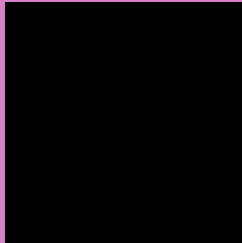
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8117, 0.3332, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 33.8117, 0.3332, 0.2468.



This preview shows how white text looks on a background with the Yxy color 33.8117, 0.3332, 0.2468.

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

33.8117, 0.3332, 0.2468

Protanopia

34.3279, 0.2503, 0.2441

Deuteranopia

33.9300, 0.2803, 0.2741



Tritanopia

33.7568, 0.3784, 0.3152

Trichromacy



Original Color

33.8117, 0.3332, 0.2468



Protanomaly

33.3679, 0.2752, 0.2432



Deuteranomaly

33.4210, 0.2974, 0.2624



Tritanomaly

33.5419, 0.3614, 0.2881

Monochromacy



Original Color

33.8117, 0.3332, 0.2468



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.7316, 0.3203, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8117, 0.3332, 0.2468 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(214, 128, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 128, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.8117, 0.3332, 0.2468 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, 198) }
```

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

```
.border{ border-color:rgb(214, 128, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 128, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 128, 198);  
box-shadow:4px 4px 4px 4px rgb(214, 128,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8117, 0.3332, 0.2468 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, 198) }
```

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

```
.background{ background-color: rgb(214,  
128, 198) }
```

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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