

Converting Colors

$Y_{xy}(33.6936, 0.3333, 0.2454)$

Have a look what the booklet for
Yxy(33.6936, 0.3333, 0.2454)
contains.

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Color

Yxy(33.7493, 0.3333, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	D77FC7
RGB	215, 127, 199
RGB Percent	84%, 50%, 78%
CMY	0.1567, 0.5020, 0.2196
CMYK	0.00, 0.41, 0.07, 0.16
HSL	311°, 52%, 67%
HSV	311°, 41%, 84%
XYZ	45.9316, 33.7493, 58.1276
YIQ	161.5200, 29.3360, 41.0480

Conversions

Conversions Part 2

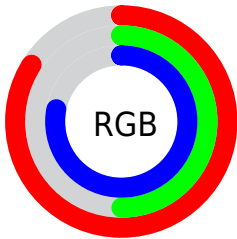
Format	Color
R _Y B	215, 127, 199
Decimal	14122951
CIE Lab	64.76, 44.25, -23.00
CIE LCh	65, 49.871, 332.539
Yxy	33.7493, 0.3333, 0.2449
Android (android.graphics.Color)	4292313031 (0xFFD77FC7)
YUV	161.5200, 18.4776, 46.9020
Hunter-Lab	58.0941, 39.4645, -18.6583

Details

The Yxy color **33.7493, 0.3333, 0.2449** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.1165, 0.2976, 0.4314**, and the grayscale version is **35.7973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **14.4474, 0.3384, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **28.5980, 0.3398, 0.2260**, and if you desaturate by 10%, it is **40.0936, 0.3273, 0.2653**.

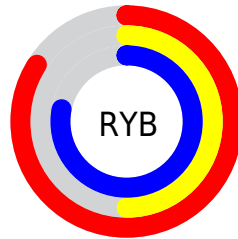
Distribution



Red (84%)

Green (50%)

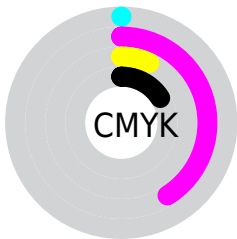
Blue (78%)



Red (84%)

Yellow (50%)

Blue (78%)

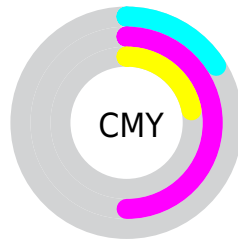


Cyan (0%)

Magenta (41%)

Yellow (7%)

Black (16%)



Cyan (16%)

Magenta (50%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7493, 0.3333, 0.2449 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 33.7493, 0.3333, 0.2449 by changing the saturation by 10% instead.

 33.7493, 0.3333,
0.2449


 33.7493, 0.3333,
0.2449


319.0127, 0.3238,
0.2860


 22.7011, 0.3354,
0.2350


 65.5436, 0.3301,
0.2596

 14.3729, 0.3379,
0.2226


 87.0585, 0.3288,
0.2651

 8.3805, 0.3410,
0.2064


 112.8311, 0.3277,
0.2699

 4.3394, 0.3447,
0.1848

143.2457, 0.3267,
0.2740

 1.8652, 0.3489,
0.1547

178.6868, 0.3259,
0.2776

 0.5273, 0.3558,
0.1031

219.5387, 0.3251,

 0.0000, 0.3514,


0.2807


0.0000

266.1859, 0.3244,
0.2835


 0.0000, 0.0000,
0.0000

 33.7493, 0.3333,
0.2449

 33.7493, 0.3333,
0.2449


 28.5980, 0.3398,
0.2260


 40.0936, 0.3273,
0.2653


 24.5588, 0.3467,
0.2096


 47.6958, 0.3219,
0.2862

 21.5485, 0.3538,
0.1966


 56.6213, 0.3172,
0.3070


 19.4697, 0.3609,
0.1878

 66.9299, 0.3131,
0.3271


 18.2066, 0.3678,
0.1837

 78.6778, 0.3095,
0.3463

 17.5831, 0.3737,
0.1832

 91.2743, 0.3066,
0.3631

 91.4874, 0.3044,
0.3589

 91.7055, 0.3022,
0.3547

 91.9284, 0.3000,
0.3505

Harmonies

Analogous

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



33.7493, 0.2587, 0.2178



33.7493, 0.3333, 0.2449



33.7493, 0.4106, 0.2892

Triad

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



33.7493, 0.3333, 0.2449



33.7493, 0.4199, 0.4503



33.7493, 0.1849, 0.2863

Complementary

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



33.7493, 0.3333, 0.2449



55.1165, 0.2976, 0.4314

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.



33.7493, 0.2183, 0.3650



33.7493, 0.3333, 0.2449



33.7493, 0.3529, 0.4722

Square

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



33.7493, 0.3333, 0.2449



33.7493, 0.4611, 0.4004



33.7493, 0.2790, 0.4414



33.7493, 0.1815, 0.2344

Rectangle

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



33.7493, 0.3333, 0.2449



33.7493, 0.4482, 0.3248



33.7493, 0.2790, 0.4414



33.7493, 0.1927, 0.3103

Sweetspot

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



33.7508, 0.3333, 0.2449



81.6528, 0.3177, 0.3046



25.8028, 0.2488, 0.2074



17.0885, 0.3183, 0.3019



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.



33.7508, 0.3333, 0.2449



43.0786, 0.3388, 0.2287



32.0388, 0.3812, 0.2932



12.5921, 0.3165, 0.3101



10.5267, 0.3728, 0.1827



0.6453, 0.3623, 0.1769

Inverse Universe

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



33.7508, 0.3333, 0.2449



43.0786, 0.3388, 0.2287



56.6646, 0.2728, 0.3690



12.5921, 0.3165, 0.3101



10.5267, 0.3728, 0.1827



0.6453, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 33.7493, 0.3333, 0.2449 looks on a white background.

Color Contrast Check

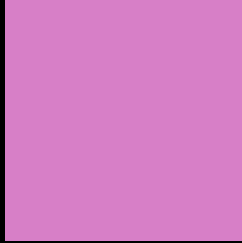
Large Text (above 18pt) WCAG AA × Fail

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 33.7493, 0.3333, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

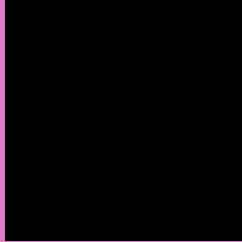
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7493, 0.3333, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 33.7493, 0.3333, 0.2449.



This preview shows how white text looks on a background with the Yxy color 33.7493, 0.3333, 0.2449.

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

33.7493, 0.3333, 0.2449

Protanopia

34.0133, 0.2481, 0.2403

Deuteranopia

33.8763, 0.2786, 0.2726



Tritanopia

33.8704, 0.3806, 0.3165

Trichromacy



Original Color

33.7493, 0.3333, 0.2449



Protanomaly

33.1113, 0.2744, 0.2407



Deuteranomaly

33.1621, 0.2965, 0.2598



Tritanomaly

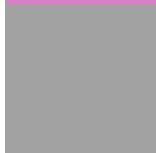
33.6891, 0.3625, 0.2882

Monochromacy



Original Color

33.7493, 0.3333, 0.2449



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.4138, 0.3204, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7493, 0.3333, 0.2449 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(215, 127, 199)` looks like.

```
.text, #text, p{  
    color:rgb(215, 127, 199)  
}
```

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(215, 127, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 127, 199) }
```

Border

The CSS property to change the border of an element to Yxy 33.7493, 0.3333, 0.2449 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(215, 127, 199) }
```

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

```
.border{ border-color:rgb(215, 127, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 127, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 127, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 127, 199);  
box-shadow:4px 4px 4px 4px rgb(215, 127,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7493, 0.3333, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 127, 199) }
```

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

```
.background{ background-color: rgb(215,  
127, 199) }
```

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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