

Converting Colors

Yxy(36.6501, 0.3123, 0.2440)

Have a look what the booklet for
Yxy(36.6501, 0.3123, 0.2440)
contains.

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Color

Yxy(36.7750, 0.3119, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	CF8CD4
RGB	207, 140, 212
RGB Percent	81%, 55%, 83%
CMY	0.1883, 0.4509, 0.1687
CMYK	0.02, 0.34, 0.00, 0.17
HSL	296°, 46%, 69%
HSV	296°, 34%, 83%
XYZ	46.9894, 36.7750, 66.8910
YIQ	168.2410, 16.8200, 36.5960

Conversions

Conversions Part 2

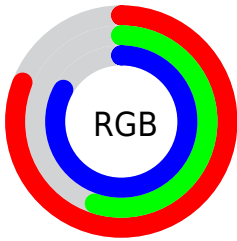
Format	Color
R _Y B	207, 140, 212
Decimal	13602004
CIE Lab	67.11, 37.13, -26.73
CIE LCh	67, 45.754, 324.253
Yxy	36.7750, 0.3119, 0.2441
Android (android.graphics.Color)	4291792084 (0xFFCF8CD4)
YUV	168.2410, 21.5732, 33.9916
Hunter-Lab	60.6424, 32.1885, -22.9496

Details

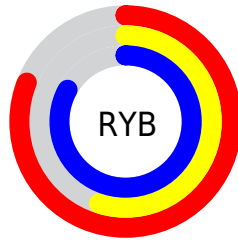
The Yxy color **36.7750, 0.3119, 0.2441** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.9867, 0.3115, 0.4287**, and the grayscale version is **39.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **15.9931, 0.3097, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **30.9561, 0.3112, 0.2201**, and if you desaturate by 10%, it is **43.7923, 0.3124, 0.2693**.

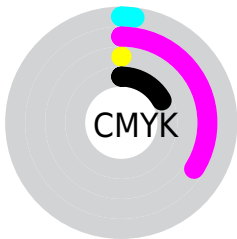
Distribution



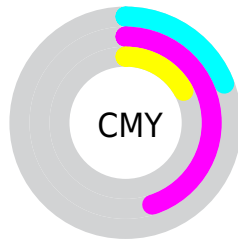
- Red (81%)
- Green (55%)
- Blue (83%)



- Red (81%)
- Yellow (55%)
- Blue (83%)



- Cyan (2%)
- Magenta (34%)
- Yellow (0%)
- Black (17%)



- Cyan (19%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7750, 0.3119, 0.2441 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 36.7750, 0.3119, 0.2441 by changing the saturation by 10% instead.


 36.7750, 0.3119,
0.2441


 36.7750, 0.3119,
0.2441

332.3354, 0.3135,
0.2851


 25.0333, 0.3112,
0.2344


 70.2266, 0.3127,
0.2586

 16.1019, 0.3101,
0.2222


 92.7053, 0.3129,
0.2642

 9.5963, 0.3083,
0.2066


 119.5318, 0.3131,
0.2689

 5.1321, 0.3052,
0.1859

151.0906, 0.3132,
0.2730

 2.3250, 0.2996,
0.1575

187.7659, 0.3133,
0.2766

 0.7869, 0.2882,
0.1166

229.9422, 0.3134,

 0.0000, 0.2693,

0.2798


0.0000


278.0039, 0.3134,
0.2826


 0.0000, 0.0000,
0.0000

 36.7750, 0.3119,
0.2441


 36.7750, 0.3119,
0.2441

 30.9561, 0.3112,
0.2201

 43.7923, 0.3124,
0.2693


 26.2620, 0.3103,
0.1981


 52.0663, 0.3126,
0.2946


 22.6186, 0.3091,
0.1792

 61.6577, 0.3127,
0.3195


 19.9407, 0.3077,
0.1642


 72.6213, 0.3127,
0.3432

 18.1301, 0.3062,
0.1534

 85.0093, 0.3125,
0.3656


 17.0674, 0.3045,
0.1470

 90.8399, 0.3129,
0.3745

 16.6635, 0.3035,
0.1445

 91.0641, 0.3138,
0.3744

 91.2903, 0.3148,
0.3743

 91.5185, 0.3157,
0.3742

Harmonies

Analogous

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



36.7750, 0.2489, 0.2246



36.7750, 0.3119, 0.2441



36.7750, 0.3825, 0.2811

Triad

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



36.7750, 0.3119, 0.2441



36.7750, 0.4232, 0.4286



36.7750, 0.2029, 0.3095

Complementary

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



36.7750, 0.3119, 0.2441



54.9867, 0.3115, 0.4287

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.



36.7750, 0.2413, 0.3817



36.7750, 0.3119, 0.2441



36.7750, 0.3681, 0.4553

Square

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



36.7750, 0.3119, 0.2441



36.7750, 0.4498, 0.3814



36.7750, 0.3015, 0.4404



36.7750, 0.1918, 0.2547

Rectangle

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



36.7750, 0.3119, 0.2441



36.7750, 0.4215, 0.3124



36.7750, 0.3015, 0.4404



36.7750, 0.2127, 0.3327

Sweetspot

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



36.7766, 0.3119, 0.2441



84.4625, 0.3127, 0.3043



30.8895, 0.2530, 0.2370



17.6471, 0.3127, 0.3007



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.



36.7766, 0.3119, 0.2441



49.0900, 0.3114, 0.2259



36.1301, 0.3460, 0.2780



12.5869, 0.3127, 0.3060



10.3081, 0.3037, 0.1447



0.6352, 0.3069, 0.1464

Inverse Universe

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



34.7973, 0.3864, 0.3230



45.6744, 0.4111, 0.3217



55.5525, 0.2895, 0.3865



12.4346, 0.3280, 0.3274



8.6672, 0.6321, 0.3256



0.5278, 0.6083, 0.3125

Previews

White Background



This preview shows how the Yxy color 36.7750, 0.3119, 0.2441 looks on a white background.

Color Contrast Check

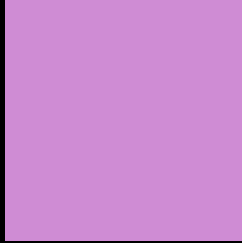
Large Text (above 18pt) WCAG AA × Fail

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 36.7750, 0.3119, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

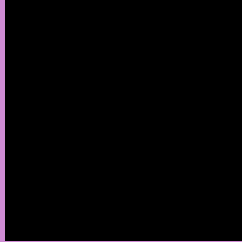
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7750, 0.3119, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 36.7750, 0.3119, 0.2441.



This preview shows how white text looks on a background with the Yxy color 36.7750, 0.3119, 0.2441.

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

36.7750, 0.3119, 0.2441

Protanopia

36.9308, 0.2480, 0.2405

Deuteranopia

37.1117, 0.2707, 0.2655



Tritanopia

36.7007, 0.3524, 0.3136

Trichromacy



Original Color

36.7750, 0.3119, 0.2441



Protanomaly

36.1634, 0.2679, 0.2404



Deuteranomaly

36.4999, 0.2852, 0.2565



Tritanomaly

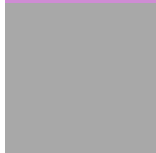
36.5496, 0.3380, 0.2863

Monochromacy



Original Color

36.7750, 0.3119, 0.2441



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.8595, 0.3124, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7750, 0.3119, 0.2441 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(207, 140, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 140, 212)  
}
```

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(207, 140, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 140, 212) }
```

Border

The CSS property to change the border of an element to Yxy 36.7750, 0.3119, 0.2441 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(207, 140, 212) }
```

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

```
.border{ border-color:rgb(207, 140, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 140, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 140, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 140, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 140,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7750, 0.3119, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 140, 212) }
```

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

```
.background{ background-color: rgb(207,  
140, 212) }
```

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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