

Converting Colors

$Y_{xy}(36.2044, 0.3004, 0.2410)$

Have a look what the booklet for
Yxy(36.2044, 0.3004, 0.2410)
contains.

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Color

Yxy(36.2581, 0.3007, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	C68ED7
RGB	198, 142, 215
RGB Percent	78%, 56%, 84%
CMY	0.2237, 0.4431, 0.1568
CMYK	0.08, 0.34, 0.00, 0.16
HSL	286°, 48%, 70%
HSV	286°, 34%, 84%
XYZ	45.2211, 36.2581, 68.9069
YIQ	167.0660, 9.9430, 34.5750

Conversions

Conversions Part 2

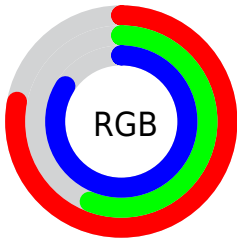
Format	Color
RYB	198, 142, 215
Decimal	13012695
CIELab	66.72, 33.80, -29.10
CIElCh	67, 44.597, 319.275
Yxy	36.2581, 0.3007, 0.2411
Android (android.graphics.Color)	4291202775 (0xFFC68ED7)
YUV	167.0660, 23.6315, 27.1291
Hunter-Lab	60.2147, 28.6774, -25.6985

Details

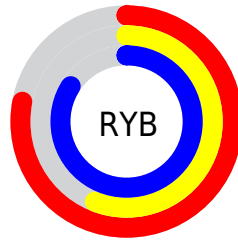
The Yxy color $36.2581, 0.3007, 0.2411$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $57.9328, 0.3200, 0.4262$, and the grayscale version is $38.5570, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.9599, 0.3154, 0.2712$, and $15.8599, 0.2955, 0.2189$ is the 20% darker color. If you saturate the color by 10%, you get $29.7954, 0.2958, 0.2148$, and if you desaturate by 10%, it is $43.9804, 0.3050, 0.2678$.

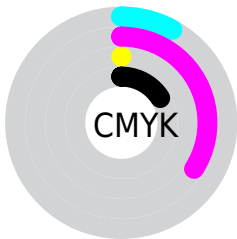
Distribution



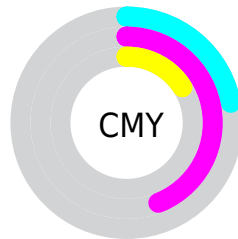
- Red (78%)
- Green (56%)
- Blue (84%)



- Red (78%)
- Yellow (56%)
- Blue (84%)



- Cyan (8%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)





- Cyan (22%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2581, 0.3007, 0.2411 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 36.2581, 0.3007, 0.2411 by changing the saturation by 10% instead.

 36.2581, 0.3007,
0.2411


 36.2581, 0.3007,
0.2411


330.0872, 0.3080,
0.2836


 24.6336, 0.2985,
0.2310


 69.4303, 0.3036,
0.2562

 15.8043, 0.2956,
0.2184


 91.7467, 0.3046,
0.2619

 9.3858, 0.2913,
0.2022


 118.3959, 0.3054,
0.2669

 4.9936, 0.2849,
0.1808

149.7623, 0.3061,
0.2711

 2.2435, 0.2742,
0.1514

186.2302, 0.3067,
0.2748

 0.7436, 0.2551,
0.1092

228.1841, 0.3072,

 0.0000, 0.2097,

0.2781

0.0000

276.0083, 0.3076,
0.2810

0.0000, 0.0000,
0.0000

36.2581, 0.3007,
0.2411

36.2581, 0.3007,
0.2411

29.7954, 0.2958,
0.2148

43.9804, 0.3050,
0.2678

24.5163, 0.2903,
0.1900

53.0234, 0.3086,
0.2942

20.3436, 0.2843,
0.1678


63.4498, 0.3117,
0.3194

17.1890, 0.2781,
0.1493

75.3166, 0.3141,
0.3432

14.9504, 0.2718,
0.1352

88.6781, 0.3161,
0.3652


 13.5039, 0.2656,
0.1257

 92.9334, 0.3189,
0.3703

 12.8863, 0.2619,
0.1216

 93.7666, 0.3221,
0.3699

 94.6237, 0.3253,
0.3695

 95.5051, 0.3286,
0.3691

Harmonies

Analogous

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



36.2581, 0.2418, 0.2253



36.2581, 0.3007, 0.2411



36.2581, 0.3701, 0.2750

Triad

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



36.2581, 0.3007, 0.2411



36.2581, 0.4278, 0.4201



36.2581, 0.2094, 0.3211

Complementary

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



36.2581, 0.3007, 0.2411



57.9328, 0.3200, 0.4262

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.



36.2581, 0.2514, 0.3920



36.2581, 0.3007, 0.2411



36.2581, 0.3775, 0.4507

Square

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



36.2581, 0.3007, 0.2411



36.2581, 0.4477, 0.3723



36.2581, 0.3128, 0.4436



36.2581, 0.1939, 0.2634

Rectangle

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



36.2581, 0.3007, 0.2411



36.2581, 0.4109, 0.3049



36.2581, 0.3128, 0.4436



36.2581, 0.2206, 0.3446

Sweetspot

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



36.2596, 0.3007, 0.2411



83.6843, 0.3099, 0.3040



35.8927, 0.2552, 0.2541



17.4577, 0.3094, 0.3004



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.



36.2596, 0.3007, 0.2411



46.0984, 0.2971, 0.2214



37.8195, 0.3339, 0.2644



12.4798, 0.3101, 0.3058



7.7575, 0.2628, 0.1221



0.5042, 0.2733, 0.1279

Inverse Universe

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



36.3045, 0.3733, 0.3082



46.3060, 0.3930, 0.3036



56.9026, 0.2969, 0.4039



12.4678, 0.3255, 0.3236



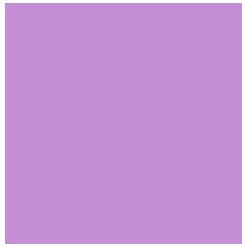
8.7935, 0.5968, 0.3061



0.5434, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 36.2581, 0.3007, 0.2411 looks on a white background.

Color Contrast Check

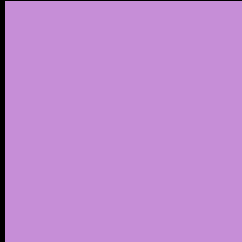
Large Text (above 18pt) WCAG AA × Fail

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 36.2581, 0.3007, 0.2411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

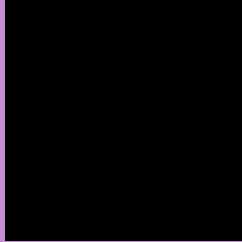
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2581, 0.3007, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 36.2581, 0.3007, 0.2411.



This preview shows how white text looks on a background with the Yxy color 36.2581, 0.3007, 0.2411.

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

36.2581, 0.3007, 0.2411

Protanopia

36.4615, 0.2458, 0.2378

Deuteranopia

36.5705, 0.2646, 0.2587



Tritanopia

36.2132, 0.3408, 0.3131

Trichromacy



Original Color

36.2581, 0.3007, 0.2411

Protanomaly

35.8457, 0.2633, 0.2375

Deuteranomaly

36.0216, 0.2769, 0.2509

Tritanomaly

36.0680, 0.3258, 0.2839

Monochromacy



Original Color

36.2581, 0.3007, 0.2411

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.3794, 0.3087, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2581, 0.3007, 0.2411 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(198, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 142, 215)  
}
```

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(198, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 142, 215) }
```

Border

The CSS property to change the border of an element to Yxy 36.2581, 0.3007, 0.2411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

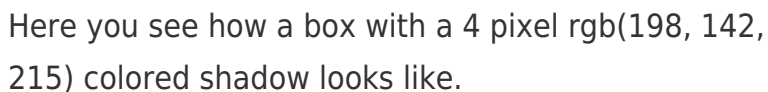
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 142, 215) }
```

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

```
.border{ border-color:rgb(198, 142, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 142, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 142, 215); box-shadow:4px 4px 4px 4px rgb(198, 142, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2581, 0.3007, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 142, 215) }
```

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

```
.background{ background-color: rgb(198,  
142, 215) }
```

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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