

Converting Colors

$Y_{xy}(36.5019, 0.2840, 0.2428)$

Have a look what the booklet for
Yxy(36.5019, 0.2840, 0.2428)
contains.

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Color

Yxy(36.5019, 0.2840, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	B695DA
RGB	182, 149, 218
RGB Percent	71%, 58%, 85%
CMY	0.2863, 0.4157, 0.1450
CMYK	0.17, 0.32, 0.00, 0.15
HSL	269°, 48%, 72%
HSV	269°, 32%, 85%
XYZ	42.6958, 36.5019, 71.1396
YIQ	166.7330, -2.4810, 28.4550

Conversions

Conversions Part 2

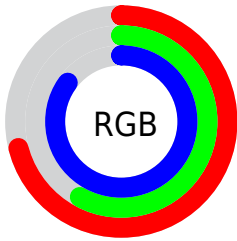
Format	Color
RYB	182, 149, 218
Decimal	11965914
CIELab	66.90, 25.59, -30.61
CIElCh	67, 39.902, 309.899
Yxy	36.5019, 0.2840, 0.2428
Android (android.graphics.Color)	4290155994 (0xFFB695DA)
YUV	166.7330, 25.2746, 13.3892
Hunter-Lab	60.4168, 20.4143, -27.5211

Details

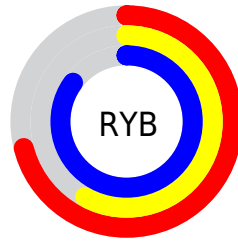
The Yxy color **36.5019, 0.2840, 0.2428** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.6413, 0.3345, 0.4148**, and the grayscale version is **38.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2826, 0.3035, 0.2763**, and **15.9689, 0.2741, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **28.9088, 0.2722, 0.2128**, and if you desaturate by 10%, it is **45.5018, 0.2945, 0.2720**.

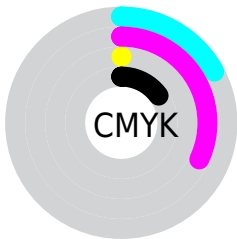
Distribution



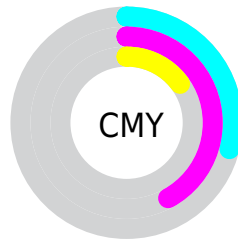
- Red (71%)
- Green (58%)
- Blue (85%)



- Red (71%)
- Yellow (58%)
- Blue (85%)



- Cyan (17%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)





- Cyan (29%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5019, 0.2840, 0.2428 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 36.5019, 0.2840, 0.2428 by changing the saturation by 10% instead.


 36.5019, 0.2840,
0.2428


 36.5019, 0.2840,
0.2428


331.1490, 0.2995,
0.2848

 24.8221, 0.2798,
0.2328


 69.8060, 0.2899,
0.2577

 15.9445, 0.2743,
0.2202


 92.1991, 0.2920,
0.2634

 9.4849, 0.2668,
0.2040


118.9321, 0.2938,
0.2683

 5.0588, 0.2559,
0.1825

150.3894, 0.2953,
0.2725

 2.2818, 0.2392,
0.1530

186.9553, 0.2966,
0.2762

 0.7641, 0.2113,
0.1105

229.0142, 0.2977,


 0.0000, 0.1294,


0.2794


0.0000


276.9507, 0.2987,
0.2822

 0.0000, 0.0000,
0.0000

 36.5019, 0.2840,
0.2428


 36.5019, 0.2840,
0.2428


 28.9088, 0.2722,
0.2128


 45.5018, 0.2945,
0.2720


 22.6431, 0.2593,
0.1830


 55.9733, 0.3037,
0.2995


 17.6244, 0.2457,
0.1548

 67.9822, 0.3115,
0.3250

 13.7610, 0.2319,
0.1297

 81.5893, 0.3182,
0.3482

 10.9483, 0.2186,
0.1093

 94.9150, 0.3241,
0.3663

■ 9.0613, 0.2063,
0.0945

■ 96.9570, 0.3314,
0.3654

■ 8.0206, 0.1971,
0.0859

■ 97.8431, 0.3345,
0.3651

Harmonies

Analogous

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



36.5019, 0.2360, 0.2346



36.5019, 0.2840, 0.2428



36.5019, 0.3451, 0.2692

Triad

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



36.5019, 0.2840, 0.2428



36.5019, 0.4254, 0.3998



36.5019, 0.2292, 0.3421

Complementary

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



36.5019, 0.2840, 0.2428



62.6413, 0.3345, 0.4148

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.



36.5019, 0.2742, 0.4022



36.5019, 0.2840, 0.2428



36.5019, 0.3879, 0.4326

Square

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



36.5019, 0.2840, 0.2428



36.5019, 0.4315, 0.3548



36.5019, 0.3323, 0.4369



36.5019, 0.2069, 0.2848

Rectangle

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



36.5019, 0.2840, 0.2428



36.5019, 0.3845, 0.2944



36.5019, 0.3323, 0.4369



36.5019, 0.2420, 0.3632

Sweetspot

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



36.5034, 0.2840, 0.2428



84.0201, 0.3058, 0.3063



46.4914, 0.2626, 0.2867



17.4679, 0.3046, 0.3024



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.



36.5034, 0.2840, 0.2428



44.6060, 0.2763, 0.2228



41.1147, 0.3143, 0.2502



12.9210, 0.3055, 0.3054



4.8674, 0.1986, 0.0868



0.3664, 0.2166, 0.0967

Inverse Universe

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



39.9076, 0.3474, 0.2863



50.3350, 0.3575, 0.2770



58.9325, 0.3099, 0.4216



13.1645, 0.3210, 0.3169



9.6765, 0.4857, 0.2449



0.6443, 0.4516, 0.2261

Previews

White Background



This preview shows how the Yxy color 36.5019, 0.2840, 0.2428 looks on a white background.

Color Contrast Check

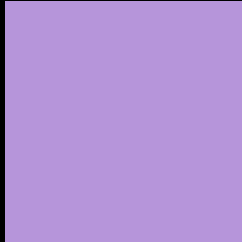
Large Text (above 18pt) WCAG AA × Fail

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 36.5019, 0.2840, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

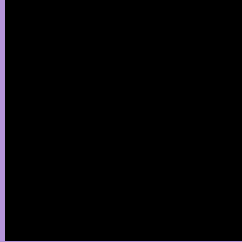
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5019, 0.2840, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 36.5019, 0.2840, 0.2428.



This preview shows how white text looks on a background with the Yxy color 36.5019, 0.2840, 0.2428.

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

36.5019, 0.2840, 0.2428

Protanopia

36.8754, 0.2486, 0.2416

Deuteranopia

36.5835, 0.2604, 0.2537



Tritanopia

36.3927, 0.3165, 0.3110

Trichromacy



Original Color

36.5019, 0.2840, 0.2428

Protanomaly

36.6639, 0.2600, 0.2418

Deuteranomaly

36.4681, 0.2685, 0.2491

Tritanomaly

36.4206, 0.3044, 0.2847

Monochromacy



Original Color

36.5019, 0.2840, 0.2428

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.4574, 0.3014, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5019, 0.2840, 0.2428 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(182, 149, 218)` looks like.

```
.text, #text, p{  
    color:rgb(182, 149, 218)  
}
```

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(182, 149, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 149, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.5019, 0.2840, 0.2428 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(182, 149, 218) }
```

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

```
.border{ border-color:rgb(182, 149, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 149, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 149, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 149, 218); box-shadow:4px 4px 4px 4px rgb(182, 149, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5019, 0.2840, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 149, 218) }
```

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

```
.background{ background-color: rgb(182,  
149, 218) }
```

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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