

Converting Colors

$Y_{xy}(36.0202, 0.2996, 0.2542)$

Have a look what the booklet for
Yxy(36.0202, 0.2996, 0.2542)
contains.

Yxy(36.1425, 0.3001, 0.2548)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.1425, 0.3001, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	BD93CE
RGB	189, 147, 206
RGB Percent	74%, 58%, 81%
CMY	0.2587, 0.4236, 0.1921
CMYK	0.08, 0.29, 0.00, 0.19
HSL	283°, 38%, 69%
HSV	283°, 29%, 81%
XYZ	42.5681, 36.1425, 63.1359
YIQ	166.2840, 6.0930, 27.2530

Conversions

Conversions Part 2

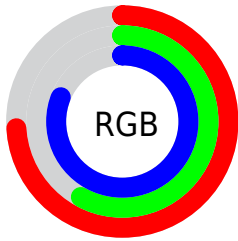
Format	Color
RYB	189, 147, 206
Decimal	12424142
CIELab	66.63, 26.39, -24.31
CIELCh	67, 35.883, 317.345
Yxy	36.1425, 0.3001, 0.2548
Android (android.graphics.Color)	4290614222 (0xFFBD93CE)
YUV	166.2840, 19.5800, 19.9219
Hunter-Lab	60.1186, 21.1827, -20.1826

Details

The Yxy color $36.1425, 0.3001, 0.2548$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $54.1469, 0.3216, 0.4084$, and the grayscale version is $38.1810, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.5861, 0.3086, 0.2751$, and $15.7836, 0.2947, 0.2344$ is the 20% darker color. If you saturate the color by 10%, you get $29.5582, 0.2942, 0.2276$, and if you desaturate by 10%, it is $43.9082, 0.3052, 0.2817$.

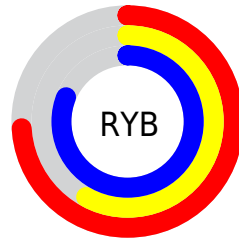
Distribution



Red (74%)

Green (58%)

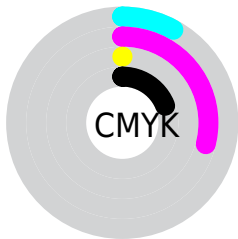
Blue (81%)



Red (74%)

Yellow (58%)

Blue (81%)

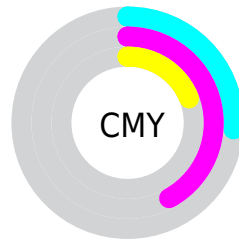


Cyan (8%)

Magenta (29%)

Yellow (0%)

Black (19%)



Cyan (26%)


Magenta (42%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1425, 0.3001, 0.2548 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 36.1425, 0.3001, 0.2548 by changing the saturation by 10% instead.


 36.1425, 0.3001,
0.2548


 36.1425, 0.3001,
0.2548


329.5830, 0.3074,
0.2913

 24.5443, 0.2980,
0.2460

 69.2520, 0.3029,
0.2679

 15.7379, 0.2952,
0.2348


 91.5320, 0.3040,
0.2728

 9.3388, 0.2911,
0.2202


118.1414, 0.3048,
0.2771

 4.9628, 0.2850,
0.2005

149.4645, 0.3055,
0.2807

 2.2255, 0.2749,
0.1727

185.8859, 0.3060,
0.2839

 0.7338, 0.2567,
0.1302

227.7898, 0.3065,

 0.0000, 0.1785,

0.2866

0.0000

275.5607, 0.3070,
0.2891

0.0000, 0.0000,
0.0000

36.1425, 0.3001,
0.2548

36.1425, 0.3001,
0.2548

29.5582, 0.2942,
0.2276

43.9082, 0.3052,
0.2817

24.0890, 0.2876,
0.2011

52.9077, 0.3095,
0.3077

19.6691, 0.2804,
0.1764

63.1958, 0.3132,
0.3322

16.2239, 0.2727,
0.1547

74.8226, 0.3161,
0.3550

13.6684, 0.2649,
0.1370

87.8357, 0.3185,
0.3758

■ 11.9030, 0.2571,
0.1240

■ 91.9203, 0.3219,
0.3802

■ 10.7706, 0.2497,
0.1154

■ 92.8873, 0.3257,
0.3796

■ 10.6364, 0.2487,
0.1144

■ 93.8878, 0.3295,
0.3790

■ 94.9219, 0.3334,
0.3783

Harmonies

Analogous

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



36.1425, 0.2523, 0.2429



36.1425, 0.3001, 0.2548



36.1425, 0.3559, 0.2826

Triad

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



36.1425, 0.3001, 0.2548



36.1425, 0.4089, 0.4029



36.1425, 0.2297, 0.3274

Complementary

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



36.1425, 0.3001, 0.2548



54.1469, 0.3216, 0.4084

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.



36.1425, 0.2665, 0.3824



36.1425, 0.3001, 0.2548



36.1425, 0.3700, 0.4265

Square

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



36.1425, 0.3001, 0.2548



36.1425, 0.4217, 0.3639



36.1425, 0.3176, 0.4210



36.1425, 0.2146, 0.2792

Rectangle

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



36.1425, 0.3001, 0.2548



36.1425, 0.3890, 0.3075



36.1425, 0.3176, 0.4210



36.1425, 0.2398, 0.3460

Sweetspot

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



36.1440, 0.3001, 0.2548



84.9905, 0.3094, 0.3065



37.4602, 0.2655, 0.2720



17.7072, 0.3088, 0.3028



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.



36.1440, 0.3001, 0.2548



52.1682, 0.2968, 0.2391



37.8927, 0.3270, 0.2714



11.2353, 0.3093, 0.3058



6.5998, 0.2498, 0.1150



0.3779, 0.2642, 0.1229

Inverse Universe

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



36.6675, 0.3573, 0.3076



53.2374, 0.3698, 0.3031



52.8492, 0.3011, 0.3945



11.2659, 0.3246, 0.3224



8.2908, 0.5786, 0.2961



0.4410, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 36.1425, 0.3001, 0.2548 looks on a white background.

Color Contrast Check

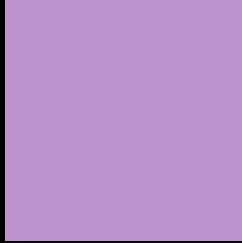
Large Text (above 18pt) WCAG AA × Fail

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 36.1425, 0.3001, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

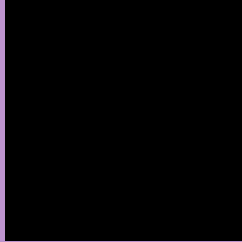
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1425, 0.3001, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 36.1425, 0.3001, 0.2548.



This preview shows how white text looks on a background with the Yxy color 36.1425, 0.3001, 0.2548.

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

36.1425, 0.3001, 0.2548

Protanopia

36.3025, 0.2581, 0.2533

Deuteranopia

36.3240, 0.2741, 0.2677



Tritanopia

36.3000, 0.3293, 0.3127

Trichromacy



Original Color

36.1425, 0.3001, 0.2548

Protanomaly

35.8775, 0.2720, 0.2534

Deuteranomaly

36.2855, 0.2832, 0.2628

Tritanomaly

36.1070, 0.3184, 0.2905

Monochromacy



Original Color

36.1425, 0.3001, 0.2548

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.1311, 0.3075, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1425, 0.3001, 0.2548 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(189, 147, 206)` looks like.

```
.text, #text, p{  
    color:rgb(189, 147, 206)  
}
```

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(189, 147, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 147, 206) }
```

Border

The CSS property to change the border of an element to Yxy 36.1425, 0.3001, 0.2548 is called "border". The border property can be set on classes, ids or directly on the HTML element.

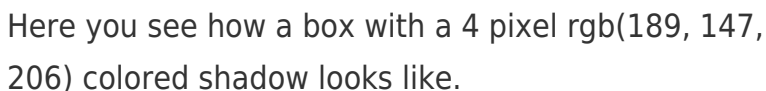
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 147, 206) }
```

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

```
.border{ border-color:rgb(189, 147, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 147, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 147, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 147, 206);  
box-shadow:4px 4px 4px 4px rgb(189, 147,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1425, 0.3001, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 147, 206) }
```

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

```
.background{ background-color: rgb(189,  
147, 206) }
```

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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