

Converting Colors

$Y_{xy}(40.2885, 0.2912, 0.2807)$

Have a look what the booklet for
Yxy(40.2885, 0.2912, 0.2807)
contains.

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Color

Yxy(40.2885, 0.2912, 0.2807)

Conversions

Conversions Part 1	
Format	Color
Hex	AFA5CA
RGB	175, 165, 202
RGB Percent	69%, 65%, 79%
CMY	0.3137, 0.3529, 0.2079
CMYK	0.13, 0.18, 0.00, 0.21
HSL	256°, 26%, 72%
HSV	256°, 18%, 79%
XYZ	41.7956, 40.2885, 61.4446
YIQ	172.2080, -5.9170, 13.6270

Conversions

Conversions Part 2

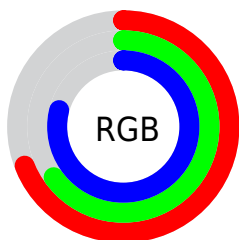
Format	Color
RYB	175, 165, 202
Decimal	11511242
CIELab	69.67, 10.93, -17.56
CIELCh	70, 20.684, 301.906
Yxy	40.2885, 0.2912, 0.2807
Android (android.graphics.Color)	4289701322 (0xFFAFA5CA)
YUV	172.2080, 14.6875, 2.4486
Hunter-Lab	63.4732, 6.4597, -12.9638

Details

The Yxy color $40.2885, 0.2912, 0.2807$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $56.1579, 0.3318, 0.3753$, and the grayscale version is $41.2935, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3953, 0.2979, 0.2932$, and $18.0859, 0.2841, 0.2665$ is the 20% darker color. If you saturate the color by 10%, you get $31.9567, 0.2770, 0.2508$, and if you desaturate by 10%, it is $49.9604, 0.3036, 0.3082$.

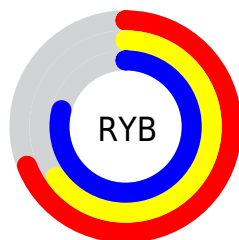
Distribution



Red (69%)

Green (65%)

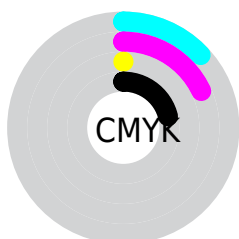
Blue (79%)



Red (69%)

Yellow (65%)

Blue (79%)

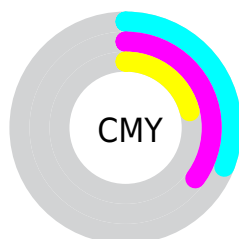


Cyan (13%)

Magenta (18%)

Yellow (0%)

Black (21%)



Cyan (31%)


Magenta (35%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2885, 0.2912, 0.2807 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 40.2885, 0.2912, 0.2807 by changing the saturation by 10% instead.


 40.2885, 0.2912,
0.2807


 40.2885, 0.2912,
0.2807


347.3381, 0.3024,
0.3047

 27.7636, 0.2883,
0.2748


 75.6026, 0.2953,
0.2894

 18.1475, 0.2845,
0.2672


 99.1606, 0.2969,
0.2927

 11.0559, 0.2794,
0.2572


127.1650, 0.2982,
0.2954

 6.1045, 0.2720,
0.2433

160.0003, 0.2992,
0.2978

 2.9087, 0.2607,
0.2232

198.0509, 0.3002,
0.2999

 1.0843, 0.2412,
0.1913

241.7011, 0.3010,


 0.0000, 0.1617,

0.3017


0.0000


291.3354, 0.3017,
0.3033


 0.0000, 0.0000,
0.0000


 40.2885, 0.2912,
0.2807


 40.2885, 0.2912,
0.2807


 31.9567, 0.2770,
0.2508

 49.9604, 0.3036,
0.3082


 24.9003, 0.2613,
0.2189


 61.0235, 0.3144,
0.3330

 19.0563, 0.2443,
0.1863

 73.5321, 0.3237,
0.3551

 14.3547, 0.2266,
0.1544

 87.5363, 0.3315,
0.3746

 10.7179, 0.2091,
0.1252

 95.8647, 0.3400,
0.3818

■ 8.0584, 0.1928,
0.1006

■ 97.0439, 0.3442,
0.3810

■ 6.2740, 0.1788,
0.0823

■ 5.2119, 0.1678,
0.0706

■ 5.0663, 0.1662,
0.0689

Harmonies

Analogous

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



40.2885, 0.2678, 0.2802



40.2885, 0.2912, 0.2807



40.2885, 0.3214, 0.2926

Triad

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



40.2885, 0.2912, 0.2807



40.2885, 0.3722, 0.3622



40.2885, 0.2754, 0.3444

Complementary

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



40.2885, 0.2912, 0.2807



56.1579, 0.3318, 0.3753

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.



40.2885, 0.3020, 0.3699



40.2885, 0.2912, 0.2807



40.2885, 0.3583, 0.3791

Square

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



40.2885, 0.2912, 0.2807



40.2885, 0.3695, 0.3382



40.2885, 0.3323, 0.3826



40.2885, 0.2591, 0.3154

Rectangle

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



40.2885, 0.2912, 0.2807



40.2885, 0.3415, 0.3056



40.2885, 0.3323, 0.3826



40.2885, 0.2834, 0.3538

Sweetspot

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



40.2902, 0.2912, 0.2807



90.4118, 0.3073, 0.3165



50.0187, 0.2848, 0.3161



19.0740, 0.3065, 0.3147



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.



40.2902, 0.2912, 0.2807



62.3289, 0.2858, 0.2690



42.5599, 0.3072, 0.2830



10.9884, 0.3024, 0.3053



3.2985, 0.1674, 0.0696



0.2083, 0.1887, 0.0813

Inverse Universe

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



43.2715, 0.3234, 0.2957



68.3415, 0.3262, 0.2882



53.9102, 0.3171, 0.3775



11.3499, 0.3178, 0.3122



9.4581, 0.4029, 0.1993



0.5002, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 40.2885, 0.2912, 0.2807 looks on a white background.

Color Contrast Check

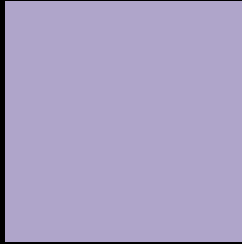
Large Text (above 18pt) WCAG AA × Fail

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 40.2885, 0.2912, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

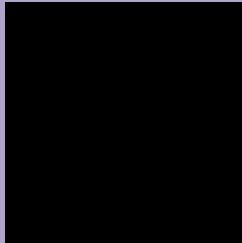
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2885, 0.2912, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 40.2885, 0.2912, 0.2807.



This preview shows how white text looks on a background with the Yxy color 40.2885, 0.2912, 0.2807.

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

40.2885, 0.2912, 0.2807

Protanopia

40.5221, 0.2800, 0.2823

Deuteranopia

40.1946, 0.2878, 0.2816



Tritanopia

40.5240, 0.3046, 0.3113

Trichromacy



Original Color

40.2885, 0.2912, 0.2807

Protanomaly

40.5326, 0.2839, 0.2826

Deuteranomaly

40.3074, 0.2887, 0.2817

Tritanomaly

40.5636, 0.2998, 0.3009

Monochromacy



Original Color

40.2885, 0.2912, 0.2807

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.6791, 0.3047, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2885, 0.2912, 0.2807 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(175, 165, 202) looks like.

```
.text, #text, p{  
    color:rgb(175, 165, 202)  
}
```

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(175, 165, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 165, 202) }
```

Border

The CSS property to change the border of an element to Yxy 40.2885, 0.2912, 0.2807 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(175, 165, 202) }
```

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

```
.border{ border-color:rgb(175, 165, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 165, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 165, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 165, 202);  
box-shadow:4px 4px 4px 4px rgb(175, 165,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2885, 0.2912, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 165, 202) }
```

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

```
.background{ background-color: rgb(175,  
165, 202) }
```

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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