

Converting Colors

$Y_{xy}(40.3156, 0.2901, 0.2431)$

Have a look what the booklet for
Yxy(40.3156, 0.2901, 0.2431)
contains.

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Color

Yxy(40.3380, 0.2902, 0.2436)

Conversions

Conversions Part 1

Format	Color
Hex	C49AE2
RGB	196, 154, 226
RGB Percent	77%, 60%, 89%
CMY	0.2312, 0.3961, 0.1138
CMYK	0.13, 0.32, 0.00, 0.11
HSL	275°, 55%, 75%
HSV	275°, 32%, 89%
XYZ	48.0545, 40.3380, 77.1986
YIQ	174.7660, 1.9200, 31.2960

Conversions

Conversions Part 2

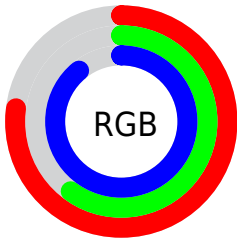
Format	Color
RYB	196, 154, 226
Decimal	12884706
CIELab	69.71, 28.89, -30.56
CIElCh	70, 42.054, 313.382
Yxy	40.3380, 0.2902, 0.2436
Android (android.graphics.Color)	4291074786 (0xFFC49AE2)
YUV	174.7660, 25.2584, 18.6222
Hunter-Lab	63.5122, 23.9102, -27.6080

Details

The Yxy color $40.3380, 0.2902, 0.2436$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $66.9044, 0.3291, 0.4172$, and the grayscale version is $42.6112, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.7036, 0.3134, 0.2839$, and $18.0677, 0.2826, 0.2221$ is the 20% darker color. If you saturate the color by 10%, you get $32.3478, 0.2809, 0.2148$, and if you desaturate by 10%, it is $49.8148, 0.2985, 0.2720$.

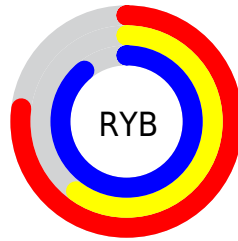
Distribution



Red (77%)

Green (60%)

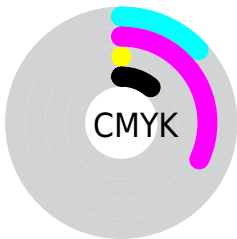
Blue (89%)



Red (77%)

Yellow (60%)

Blue (89%)

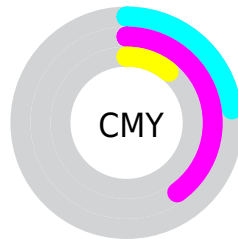


Cyan (13%)

Magenta (32%)

Yellow (0%)

Black (11%)



Cyan (23%)


Magenta (40%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3380, 0.2902, 0.2436 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 40.3380, 0.2902, 0.2436 by changing the saturation by 10% instead.


 40.3380, 0.2902,
0.2436


 40.3380, 0.2902,
0.2436


347.5461, 0.3024,
0.2844

 27.8022, 0.2869,
0.2341


 75.6779, 0.2948,
0.2580

 18.1766, 0.2826,
0.2222


 99.2508, 0.2965,
0.2635

 11.0768, 0.2767,
0.2070


127.2715, 0.2979,
0.2682

 6.1185, 0.2682,
0.1872

160.1245, 0.2991,
0.2723

 2.9173, 0.2551,
0.1602

198.1940, 0.3001,
0.2759

 1.0887, 0.2335,
0.1226

241.8645, 0.3010,

 0.0000, 0.2055,

0.2791

0.0000

291.5204, 0.3018,
0.2819

0.0000, 0.0000,
0.0000

40.3380, 0.2902,
0.2436

40.3380, 0.2902,
0.2436

32.3478, 0.2809,
0.2148

49.8148, 0.2985,
0.2720

25.7586, 0.2706,
0.1866

60.8474, 0.3056,
0.2991

20.4840, 0.2596,
0.1603

73.5066, 0.3117,
0.3245

16.4251, 0.2483,
0.1372

87.8573, 0.3168,
0.3479

13.4690, 0.2371,
0.1187

96.0733, 0.3221,
0.3579

■ 11.4799, 0.2265,
0.1053

■ 97.7894, 0.3281,
0.3573

■ 10.3948, 0.2185,
0.0977

■ 98.2706, 0.3298,
0.3572

Harmonies

Analogous

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



40.3380, 0.2393, 0.2329



40.3380, 0.2902, 0.2436



40.3380, 0.3530, 0.2722

Triad

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



40.3380, 0.2902, 0.2436



40.3380, 0.4244, 0.4056



40.3380, 0.2238, 0.3348

Complementary

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



40.3380, 0.2902, 0.2436



66.9044, 0.3291, 0.4172

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.



40.3380, 0.2671, 0.3974



40.3380, 0.2902, 0.2436



40.3380, 0.3833, 0.4369

Square

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



40.3380, 0.2902, 0.2436



40.3380, 0.4350, 0.3606



40.3380, 0.3254, 0.4371



40.3380, 0.2041, 0.2783

Rectangle

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



40.3380, 0.2902, 0.2436



40.3380, 0.3921, 0.2987



40.3380, 0.3254, 0.4371



40.3380, 0.2358, 0.3563

Sweetspot

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



40.3397, 0.2902, 0.2436



82.8391, 0.3068, 0.3038



46.6368, 0.2608, 0.2752



17.2526, 0.3059, 0.3001



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.



40.3397, 0.2902, 0.2436



46.1082, 0.2844, 0.2252



44.4423, 0.3216, 0.2560



13.6367, 0.3072, 0.3054



6.0019, 0.2200, 0.0986



0.4682, 0.2352, 0.1069

Inverse Universe

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



42.7337, 0.3552, 0.2944



49.8440, 0.3673, 0.2873



63.7953, 0.3048, 0.4149



13.7946, 0.3227, 0.3193



9.7079, 0.5304, 0.2696



0.6904, 0.4905, 0.2476

Previews

White Background



This preview shows how the Yxy color 40.3380, 0.2902, 0.2436 looks on a white background.

Color Contrast Check

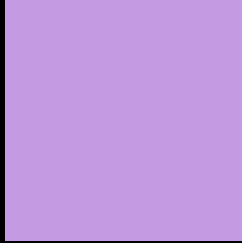
Large Text (above 18pt) WCAG AA × Fail

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 40.3380, 0.2902, 0.2436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

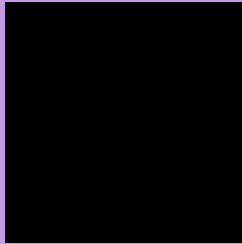
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3380, 0.2902, 0.2436

Background



This preview shows how black text looks on a background with the Yxy color 40.3380, 0.2902, 0.2436.



This preview shows how white text looks on a background with the Yxy color 40.3380, 0.2902, 0.2436.

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

40.3380, 0.2902, 0.2436

Protanopia

40.6037, 0.2489, 0.2414

Deuteranopia

40.6021, 0.2630, 0.2578



Tritanopia

40.4166, 0.3238, 0.3120

Trichromacy



Original Color

40.3380, 0.2902, 0.2436

Protanomaly

40.2931, 0.2626, 0.2419

Deuteranomaly

40.3469, 0.2724, 0.2523

Tritanomaly

40.1581, 0.3111, 0.2845

Monochromacy



Original Color

40.3380, 0.2902, 0.2436

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.5998, 0.3045, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3380, 0.2902, 0.2436 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(196, 154, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 154, 226)  
}
```

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(196, 154, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 154, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.3380, 0.2902, 0.2436 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(196, 154, 226) }
```

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

```
.border{ border-color:rgb(196, 154, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 154, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 154, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 154, 226);  
box-shadow:4px 4px 4px 4px rgb(196, 154,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3380, 0.2902, 0.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 154, 226) }
```

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

```
.background{ background-color: rgb(196,  
154, 226) }
```

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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