

Converting Colors

$Y_{xy}(41.2427, 0.2936, 0.2884)$

Have a look what the booklet for
Yxy(41.2427, 0.2936, 0.2884)
contains.

Yxy(41.2427, 0.2936, 0.2884)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.2427, 0.2936, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	AFA8C7
RGB	175, 168, 199
RGB Percent	69%, 66%, 78%
CMY	0.3138, 0.3411, 0.2196
CMYK	0.12, 0.16, 0.00, 0.22
HSL	253°, 22%, 72%
HSV	253°, 16%, 78%
XYZ	41.9863, 41.2427, 59.7762
YIQ	173.6270, -5.7790, 11.1250

Conversions

Conversions Part 2

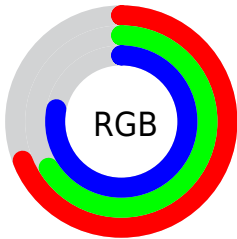
Format	Color
RYB	175, 168, 199
Decimal	11512007
CIELab	70.35, 8.62, -14.89
CIELCh	70, 17.206, 300.055
Yxy	41.2427, 0.2936, 0.2884
Android (android.graphics.Color)	4289702087 (0xFFAFA8C7)
YUV	173.6270, 12.5089, 1.2041
Hunter-Lab	64.2205, 4.3146, -10.2326

Details

The Yxy color **41.2427, 0.2936, 0.2884** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.8814, 0.3301, 0.3679**, and the grayscale version is **42.0626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9843, 0.2979, 0.2964**, and **18.6727, 0.2875, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **32.7662, 0.2791, 0.2589**, and if you desaturate by 10%, it is **51.0508, 0.3064, 0.3153**.

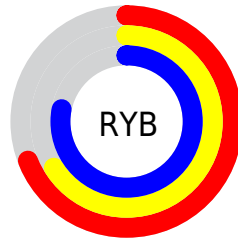
Distribution



Red (69%)

Green (66%)

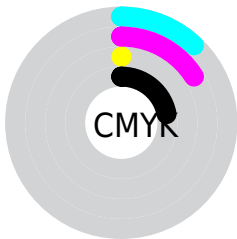
Blue (78%)



Red (69%)

Yellow (66%)

Blue (78%)

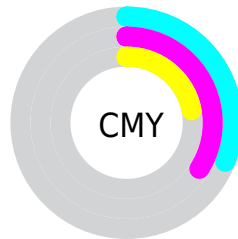


Cyan (12%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (31%)

Magenta (34%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2427, 0.2936, 0.2884 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 41.2427, 0.2936, 0.2884 by changing the saturation by 10% instead.

■ 41.2427, 0.2936,
0.2884

■ 41.2427, 0.2936,
0.2884

■ 351.3340, 0.3034,
0.3086

■ 28.5088, 0.2911,
0.2834

■ 77.0522, 0.2972,
0.2957

■ 18.7095, 0.2877,
0.2769

■ 100.8965, 0.2986,
0.2985

■ 11.4606, 0.2833,
0.2684

■ 129.2131, 0.2997,
0.3008

■ 6.3775, 0.2768,
0.2566

■ 162.3864, 0.3007,
0.3028

■ 3.0760, 0.2670,
0.2392

■ 200.8007, 0.3015,
0.3046

■ 1.1715, 0.2501,
0.2113

■ 244.8405, 0.3022,

■ 0.0383, 0.1797,

0.3061

0.0279

294.8901, 0.3029,
0.3075

0.0000, 0.0000,
0.0000

41.2427, 0.2936,
0.2884

41.2427, 0.2936,
0.2884

32.7662, 0.2791,
0.2589

51.0508, 0.3064,
0.3153

25.5584, 0.2628,
0.2271

62.2397, 0.3174,
0.3393

19.5590, 0.2452,
0.1941

74.8620, 0.3269,
0.3606

14.7005, 0.2269,
0.1613

88.9665, 0.3349,
0.3792

10.9090, 0.2086,
0.1306

96.3570, 0.3440,
0.3844

■ 8.1014, 0.1916,
0.1041

■ 96.9032, 0.3460,
0.3840

■ 6.1819, 0.1770,
0.0838

■ 5.0339, 0.1657,
0.0707

■ 4.6756, 0.1617,
0.0664

Harmonies

Analogous

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



41.2427, 0.2746, 0.2888



41.2427, 0.2936, 0.2884



41.2427, 0.3185, 0.2978

Triad

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



41.2427, 0.2936, 0.2884



41.2427, 0.3621, 0.3557



41.2427, 0.2830, 0.3432

Complementary

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



41.2427, 0.2936, 0.2884



54.8814, 0.3301, 0.3679

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.



41.2427, 0.3055, 0.3634



41.2427, 0.2936, 0.2884



41.2427, 0.3515, 0.3699

Square

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



41.2427, 0.2936, 0.2884



41.2427, 0.3588, 0.3356



41.2427, 0.3306, 0.3732



41.2427, 0.2687, 0.3195

Rectangle

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



41.2427, 0.2936, 0.2884



41.2427, 0.3351, 0.3085



41.2427, 0.3306, 0.3732



41.2427, 0.2898, 0.3507

Sweetspot

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



41.2444, 0.2936, 0.2884



90.3068, 0.3069, 0.3165



50.2722, 0.2890, 0.3202



19.0486, 0.3061, 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.



41.2444, 0.2936, 0.2884



66.4483, 0.2884, 0.2777



43.1077, 0.3068, 0.2900



10.4006, 0.3017, 0.3054



3.0394, 0.1627, 0.0670



0.1774, 0.1842, 0.0789

Inverse Universe

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



43.9577, 0.3204, 0.2992



72.2058, 0.3225, 0.2919



52.9941, 0.3177, 0.3694



10.7742, 0.3171, 0.3113



9.3268, 0.3868, 0.1904



0.4520, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 41.2427, 0.2936, 0.2884 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 41.2427, 0.2936, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

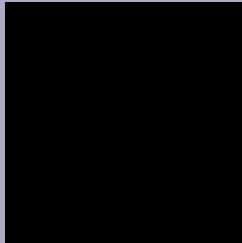
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2427, 0.2936, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 41.2427, 0.2936, 0.2884.



This preview shows how white text looks on a background with the Yxy color 41.2427, 0.2936, 0.2884.

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

41.2427, 0.2936, 0.2884

Protanopia

41.4499, 0.2848, 0.2891

Deuteranopia

41.3589, 0.2945, 0.2885



Tritanopia

41.3572, 0.3029, 0.3114

Trichromacy



Original Color

41.2427, 0.2936, 0.2884

Protanomaly

41.3546, 0.2879, 0.2892

Deuteranomaly

41.3589, 0.2945, 0.2885

Tritanomaly

41.3078, 0.2998, 0.3036

Monochromacy



Original Color

41.2427, 0.2936, 0.2884

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.9226, 0.3055, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2427, 0.2936, 0.2884 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, 168, 199)` looks like.

```
.text, #text, p{  
    color:rgb(175, 168, 199)  
}
```

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, 168, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 168, 199) }
```

Border

The CSS property to change the border of an element to Yxy 41.2427, 0.2936, 0.2884 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, 168, 199) }
```

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

```
.border{ border-color:rgb(175, 168, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 168, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 168, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 168, 199);  
box-shadow:4px 4px 4px 4px rgb(175, 168,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2427, 0.2936, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 168, 199) }
```

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

```
.background{ background-color: rgb(175,  
168, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor