

Converting Colors

$Y_{xy}(41.4241, 0.2638, 0.2815)$

Have a look what the booklet for
Yxy(41.4241, 0.2638, 0.2815)
contains.

Yxy(41.4241, 0.2638, 0.2815)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.4241, 0.2638, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	92AFD2
RGB	146, 175, 210
RGB Percent	57%, 69%, 82%
CMY	0.4273, 0.3137, 0.1765
CMYK	0.30, 0.17, 0.00, 0.18
HSL	213°, 42%, 70%
HSV	213°, 30%, 82%
XYZ	38.8195, 41.4241, 66.9113
YIQ	170.3190, -28.5190, 4.7370

Conversions

Conversions Part 2

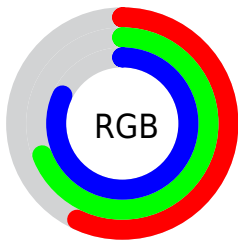
Format	Color
RYB	146, 166, 210
Decimal	9613266
CIELab	70.47, -1.75, -20.95
CIELCh	70, 21.020, 265.216
Yxy	41.4241, 0.2638, 0.2815
Android (android.graphics.Color)	4287803346 (0xFF92AFD2)
YUV	170.3190, 19.5627, -21.3278
Hunter-Lab	64.3616, -4.9710, -16.5858

Details

The Yxy color **41.4241, 0.2638, 0.2815** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.8321, 0.3680, 0.3722**, and the grayscale version is **40.2805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2311, 0.2792, 0.3022**, and **18.8596, 0.2498, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **35.3909, 0.2471, 0.2627**, and if you desaturate by 10%, it is **48.1945, 0.2804, 0.2988**.

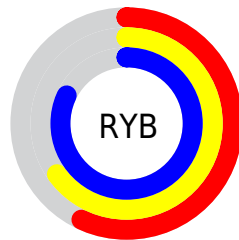
Distribution



Red (57%)

Green (69%)

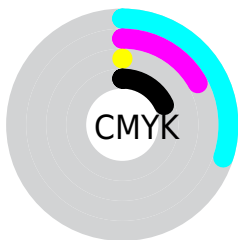
Blue (82%)



Red (57%)

Yellow (65%)

Blue (82%)

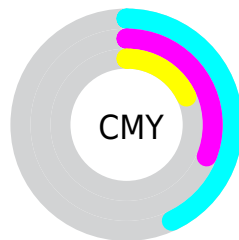


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4241, 0.2638, 0.2815 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 41.4241, 0.2638, 0.2815 by changing the saturation by 10% instead.

■ 41.4241, 0.2638,
0.2815

■ 41.4241, 0.2638,
0.2815

352.0900, 0.2884,
0.3055

■ 28.6506, 0.2577,
0.2755

■ 77.3273, 0.2727,
0.2902

■ 18.8167, 0.2499,
0.2678

■ 101.2258, 0.2761,
0.2935

■ 11.5379, 0.2395,
0.2575

129.6014, 0.2789,
0.2963

■ 6.4299, 0.2252,
0.2432

162.8385, 0.2813,
0.2987

■ 3.1082, 0.2043,
0.2223

201.3215, 0.2834,
0.3007

■ 1.1885, 0.1716,
0.1891

245.4349, 0.2853,

■ 0.0523, 0.0041,

0.3025

0.0308

295.5629, 0.2869,
0.3041

0.0000, 0.0000,
0.0000

41.4241, 0.2638,
0.2815

41.4241, 0.2638,
0.2815

35.3909, 0.2471,
0.2627

48.1945, 0.2804,
0.2988

30.0613, 0.2306,
0.2426

55.7242, 0.2966,
0.3144

25.4057, 0.2151,
0.2216

64.0402, 0.3120,
0.3284

21.3904, 0.2010,
0.2002

73.1668, 0.3266,
0.3408

17.9775, 0.1890,
0.1791

83.1270, 0.3403,
0.3518

■ 15.1239, 0.1795,
0.1589

■ 90.5696, 0.3412,
0.3627

■ 12.8554, 0.1725,
0.1410

■ 97.4324, 0.3394,
0.3731

Harmonies

Analogous

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



41.4241, 0.2554, 0.2964



41.4241, 0.2638, 0.2815



41.4241, 0.2850, 0.2792

Triad

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



41.4241, 0.2638, 0.2815



41.4241, 0.3669, 0.3325



41.4241, 0.3086, 0.3744

Complementary

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



41.4241, 0.2638, 0.2815



48.8321, 0.3680, 0.3722

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.



41.4241, 0.3390, 0.3836



41.4241, 0.2638, 0.2815



41.4241, 0.3736, 0.3574

Square

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



41.4241, 0.2638, 0.2815



41.4241, 0.3448, 0.3079



41.4241, 0.3630, 0.3766



41.4241, 0.2804, 0.3509

Rectangle

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



41.4241, 0.2638, 0.2815



41.4241, 0.3041, 0.2844



41.4241, 0.3630, 0.3766



41.4241, 0.3189, 0.3793

Sweetspot

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



41.4257, 0.2638, 0.2815



88.1532, 0.2987, 0.3164



55.5006, 0.2870, 0.3691



18.4790, 0.2964, 0.3142



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.



41.4257, 0.2638, 0.2815



57.6531, 0.2521, 0.2686



31.5324, 0.2609, 0.2408



12.2869, 0.2982, 0.3159



8.0382, 0.1732, 0.1436



0.6070, 0.1831, 0.1790

Inverse Universe

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



37.3630, 0.3501, 0.2933



50.9576, 0.3620, 0.2849



61.5503, 0.3566, 0.4050



11.8960, 0.3221, 0.3185



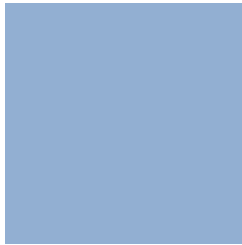
8.8827, 0.5143, 0.2607



0.5126, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 41.4241, 0.2638, 0.2815 looks on a white background.

Color Contrast Check

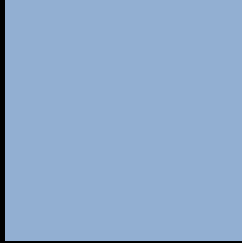
Large Text (above 18pt) WCAG AA × Fail

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 41.4241, 0.2638, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

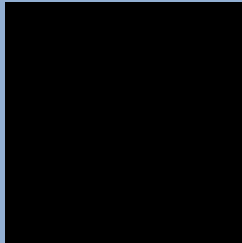
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

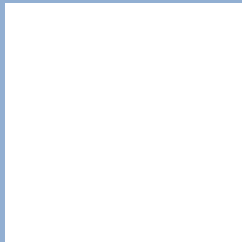
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4241, 0.2638, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 41.4241, 0.2638, 0.2815.



This preview shows how white text looks on a background with the Yxy color 41.4241, 0.2638, 0.2815.

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

41.4241, 0.2638, 0.2815

Protanopia

41.1470, 0.2787, 0.2801

Deuteranopia

41.1434, 0.2797, 0.2732



Tritanopia

41.3973, 0.2732, 0.3091

Trichromacy



Original Color

41.4241, 0.2638, 0.2815

Protanomaly

41.2272, 0.2728, 0.2809

Deuteranomaly

41.4060, 0.2737, 0.2763

Tritanomaly

41.4074, 0.2691, 0.2983

Monochromacy



Original Color

41.4241, 0.2638, 0.2815

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5849, 0.2928, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4241, 0.2638, 0.2815 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(146, 175, 210)` looks like.

```
.text, #text, p{  
    color:rgb(146, 175, 210)  
}
```

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(146, 175, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 175, 210) }
```

Border

The CSS property to change the border of an element to Yxy 41.4241, 0.2638, 0.2815 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(146, 175, 210) }
```

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

```
.border{ border-color:rgb(146, 175, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 175, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 175, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 175, 210);  
box-shadow:4px 4px 4px 4px rgb(146, 175,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4241, 0.2638, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 175, 210) }
```

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

```
.background{ background-color: rgb(146,  
175, 210) }
```

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