

Converting Colors

$Y_{xy}(41.4692, 0.2629, 0.2800)$

Have a look what the booklet for
Yxy(41.4692, 0.2629, 0.2800)
contains.

Yxy(41.4741, 0.2631, 0.2802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.4741, 0.2631, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	92AFD3
RGB	146, 175, 211
RGB Percent	57%, 69%, 83%
CMY	0.4275, 0.3137, 0.1724
CMYK	0.31, 0.17, 0.00, 0.17
HSL	213°, 43%, 70%
HSV	213°, 31%, 83%
XYZ	38.9430, 41.4741, 67.5989
YIQ	170.4330, -28.8400, 5.0480

Conversions

Conversions Part 2

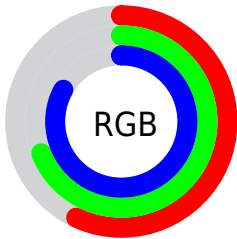
Format	Color
R _Y B	146, 166, 211
Decimal	9613267
CIE Lab	70.51, -1.51, -21.47
CIE LCh	71, 21.521, 265.977
Yxy	41.4741, 0.2631, 0.2802
Android (android.graphics.Color)	4287803347 (0xFF92AFD3)
YUV	170.4330, 19.9995, -21.4277
Hunter-Lab	64.4004, -4.7614, -17.1545

Details

The Yxy color **41.4741, 0.2631, 0.2802** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.3907, 0.3687, 0.3732**, and the grayscale version is **40.3352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2311, 0.2792, 0.3022**, and **18.8934, 0.2490, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **35.3620, 0.2463, 0.2611**, and if you desaturate by 10%, it is **48.3404, 0.2798, 0.2978**.

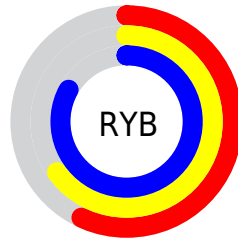
Distribution



Red (57%)

Green (69%)

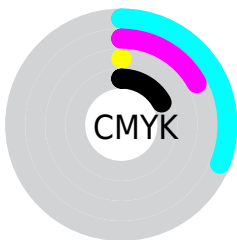
Blue (83%)



Red (57%)

Yellow (65%)

Blue (83%)

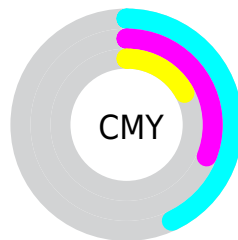


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (31%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4741, 0.2631, 0.2802 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 41.4741, 0.2631, 0.2802 by changing the saturation by 10% instead.

■ 41.4741, 0.2631,
0.2802

■ 41.4741, 0.2631,
0.2802

352.2982, 0.2880,
0.3048

■ 28.6897, 0.2569,
0.2740

■ 77.4031, 0.2721,
0.2892

■ 18.8462, 0.2490,
0.2661

■ 101.3165, 0.2755,
0.2925

■ 11.5592, 0.2385,
0.2556

129.7083, 0.2784,
0.2954

■ 6.4443, 0.2240,
0.2411

162.9630, 0.2809,
0.2978

■ 3.1171, 0.2030,
0.2198

201.4649, 0.2830,
0.2999

■ 1.1932, 0.1701,
0.1862

245.5985, 0.2849,

■ 0.0561, 0.0093,

0.3017

0.0318

295.7482, 0.2865,
0.3034

■ 0.0000, 0.0000,
0.0000

■ 41.4741, 0.2631,
0.2802

■ 41.4741, 0.2631,
0.2802

■ 35.3620, 0.2463,
0.2611

■ 48.3404, 0.2798,
0.2978

■ 29.9695, 0.2298,
0.2407

■ 55.9836, 0.2960,
0.3137

■ 25.2663, 0.2142,
0.2194

■ 64.4316, 0.3115,
0.3279

■ 21.2177, 0.2001,
0.1977

■ 73.7092, 0.3261,
0.3405

■ 17.7848, 0.1881,
0.1764

■ 83.8401, 0.3397,
0.3517

■ 14.9229, 0.1786,
0.1561

■ 91.3532, 0.3403,
0.3628

■ 12.7342, 0.1719,
0.1387

■ 97.4846, 0.3387,
0.3720

Harmonies

Analogous

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



41.4741, 0.2541, 0.2950



41.4741, 0.2631, 0.2802



41.4741, 0.2850, 0.2782

Triad

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



41.4741, 0.2631, 0.2802



41.4741, 0.3686, 0.3332



41.4741, 0.3077, 0.3750

Complementary

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



41.4741, 0.2631, 0.2802



49.3907, 0.3687, 0.3732

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.



41.4741, 0.3388, 0.3849



41.4741, 0.2631, 0.2802



41.4741, 0.3749, 0.3586

Square

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



41.4741, 0.2631, 0.2802



41.4741, 0.3463, 0.3080



41.4741, 0.3637, 0.3780



41.4741, 0.2790, 0.3507

Rectangle

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



41.4741, 0.2631, 0.2802



41.4741, 0.3047, 0.2838



41.4741, 0.3637, 0.3780



41.4741, 0.3182, 0.3802

Sweetspot

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



41.4757, 0.2631, 0.2802



88.0598, 0.2987, 0.3162



56.0804, 0.2861, 0.3682



18.4561, 0.2964, 0.3140



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.



41.4757, 0.2631, 0.2802



57.3489, 0.2520, 0.2678



31.6718, 0.2610, 0.2398



12.2734, 0.2982, 0.3158



7.8808, 0.1726, 0.1415



0.5978, 0.1825, 0.1770

Inverse Universe

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



37.5032, 0.3512, 0.2934



50.9269, 0.3626, 0.2855



62.0554, 0.3563, 0.4061



11.8946, 0.3222, 0.3187



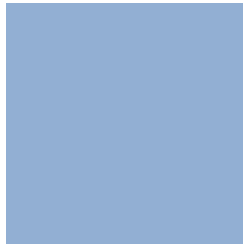
8.8668, 0.5171, 0.2622



0.5116, 0.4721, 0.2374

Previews

White Background



This preview shows how the Yxy color 41.4741, 0.2631, 0.2802 looks on a white background.

Color Contrast Check

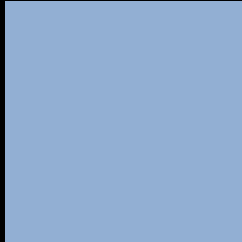
Large Text (above 18pt) WCAG AA × Fail

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 41.4741, 0.2631, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

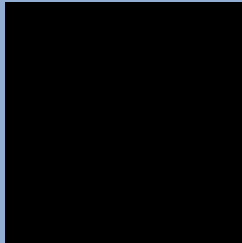
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

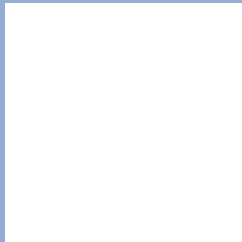
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4741, 0.2631, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 41.4741, 0.2631, 0.2802.

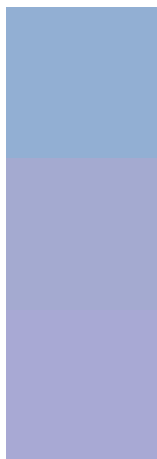


This preview shows how white text looks on a background with the Yxy color 41.4741, 0.2631, 0.2802.

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

41.4741, 0.2631, 0.2802

Protanopia

41.1960, 0.2780, 0.2789

Deuteranopia

41.4542, 0.2782, 0.2732



Tritanopia

41.3973, 0.2732, 0.3091

Trichromacy



Original Color

41.4741, 0.2631, 0.2802

Protanomaly

41.2766, 0.2721, 0.2796

Deuteranomaly

41.3529, 0.2722, 0.2749

Tritanomaly

41.4074, 0.2691, 0.2983

Monochromacy



Original Color

41.4741, 0.2631, 0.2802

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 41.4741, 0.2631, 0.2802 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 175, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 175, 211) }
```

Border

The CSS property to change the border of an element to Yxy 41.4741, 0.2631, 0.2802 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, 211) }
```

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

```
.border{ border-color:rgb(146, 175, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 175, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 175, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 175,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4741, 0.2631, 0.2802 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, 211) }
```

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

```
.background{ background-color: rgb(146,  
175, 211) }
```

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