

Converting Colors

$Y_{xy}(42.4531, 0.2561, 0.2821)$

Have a look what the booklet for
Yxy(42.4531, 0.2561, 0.2821)
contains.

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Color

Yxy(42.4136, 0.2559, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	89B3D6
RGB	137, 179, 214
RGB Percent	54%, 70%, 84%
CMY	0.4625, 0.2981, 0.1607
CMYK	0.36, 0.16, 0.00, 0.16
HSL	207°, 48%, 69%
HSV	207°, 36%, 84%
XYZ	38.5839, 42.4136, 69.7796
YIQ	170.4320, -36.2670, 1.9810

Conversions

Conversions Part 2

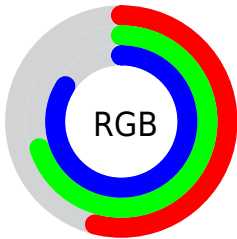
Format	Color
R _Y B	137, 164, 214
Decimal	9024470
CIE Lab	71.16, -5.45, -22.17
CIE LCh	71, 22.825, 256.188
Yxy	42.4136, 0.2559, 0.2813
Android (android.graphics.Color)	4287214550 (0xFF89B3D6)
YUV	170.4320, 21.4790, -29.3199
Hunter-Lab	65.1257, -8.2173, -17.9389

Details

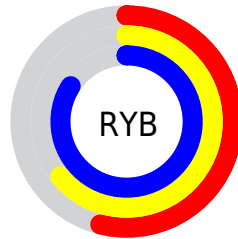
The Yxy color **42.4136, 0.2559, 0.2813** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.6489, 0.3833, 0.3720**, and the grayscale version is **40.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8431, 0.2744, 0.3073**, and **19.3097, 0.2403, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **37.0132, 0.2403, 0.2652**, and if you desaturate by 10%, it is **48.4520, 0.2719, 0.2962**.

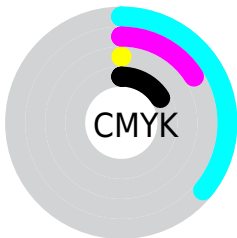
Distribution



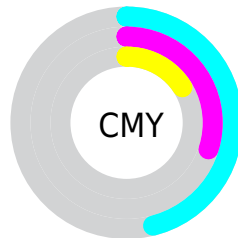
- Red (54%)
- Green (70%)
- Blue (84%)



- Red (54%)
- Yellow (64%)
- Blue (84%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4136, 0.2559, 0.2813 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 42.4136, 0.2559, 0.2813 by changing the saturation by 10% instead.

■ 42.4136, 0.2559,
0.2813

■ 42.4136, 0.2559,
0.2813

356.1946, 0.2842,
0.3055

■ 29.4253, 0.2489,
0.2752

■ 78.8252, 0.2661,
0.2901

■ 19.4028, 0.2401,
0.2674

■ 103.0173, 0.2700,
0.2934

■ 11.9617, 0.2285,
0.2571

■ 131.7128, 0.2732,
0.2962

■ 6.7176, 0.2126,
0.2427

165.2960, 0.2760,
0.2986

■ 3.2861, 0.1899,
0.2216

204.1514, 0.2785,
0.3007

■ 1.2829, 0.1552,
0.1884

248.6634, 0.2806,

■ 0.1279, 0.0000,

0.3025

0.0635

299.2163, 0.2825,
0.3040

0.0000, 0.0000,
0.0000

42.4136, 0.2559,
0.2813

42.4136, 0.2559,
0.2813

37.0132, 0.2403,
0.2652

48.4520, 0.2719,
0.2962

32.2189, 0.2255,
0.2482

55.1485, 0.2879,
0.3099

28.0030, 0.2120,
0.2306

62.5282, 0.3036,
0.3223

24.3328, 0.2003,
0.2128

70.6134, 0.3188,
0.3333

21.1710, 0.1908,
0.1951

79.4250, 0.3333,
0.3432

■ 18.4728, 0.1835,
0.1782

■ 86.9409, 0.3396,
0.3524

■ 17.4823, 0.1810,
0.1715

■ 92.7508, 0.3381,
0.3617

■ 97.6357, 0.3369,
0.3691

Harmonies

Analogous

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



42.4136, 0.2514, 0.3009



42.4136, 0.2559, 0.2813



42.4136, 0.2748, 0.2749

Triad

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



42.4136, 0.2559, 0.2813



42.4136, 0.3655, 0.3244



42.4136, 0.3182, 0.3830

Complementary

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



42.4136, 0.2559, 0.2813



45.6489, 0.3833, 0.3720

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.



42.4136, 0.3498, 0.3874



42.4136, 0.2559, 0.2813



42.4136, 0.3782, 0.3516

Square

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



42.4136, 0.2559, 0.2813



42.4136, 0.3379, 0.2994



42.4136, 0.3721, 0.3750



42.4136, 0.2863, 0.3615

Rectangle

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



42.4136, 0.2559, 0.2813



42.4136, 0.2937, 0.2780



42.4136, 0.3721, 0.3750



42.4136, 0.3292, 0.3865

Sweetspot

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



42.4152, 0.2559, 0.2813



87.1844, 0.2956, 0.3160



56.3913, 0.2868, 0.3869



18.3420, 0.2934, 0.3143



0.0000, 0.0000, 0.0000



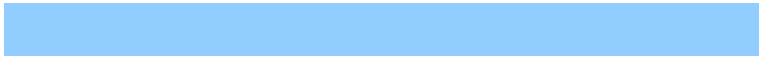
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4152, 0.2559, 0.2813



56.9742, 0.2442, 0.2694



29.2062, 0.2484, 0.2268



13.1186, 0.2982, 0.3181



10.7761, 0.1816, 0.1739



0.8145, 0.1897, 0.2030

Inverse Universe

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



35.4642, 0.3518, 0.2783



46.0297, 0.3633, 0.2678



62.2818, 0.3679, 0.4140



12.5329, 0.3207, 0.3164



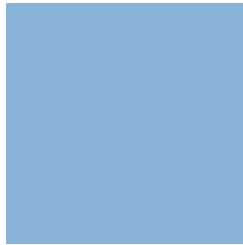
9.4327, 0.4759, 0.2395



0.5855, 0.4419, 0.2208

Previews

White Background



This preview shows how the Yxy color 42.4136, 0.2559, 0.2813 looks on a white background.

Color Contrast Check

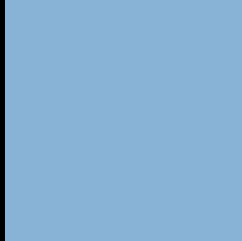
Large Text (above 18pt) WCAG AA × Fail

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 42.4136, 0.2559, 0.2813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

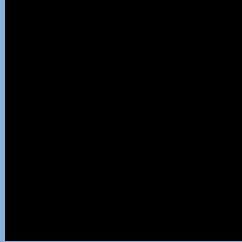
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

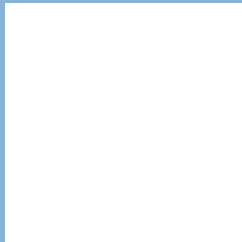
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4136, 0.2559, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 42.4136, 0.2559, 0.2813.

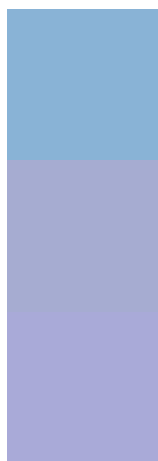


This preview shows how white text looks on a background with the Yxy color 42.4136, 0.2559, 0.2813.

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

42.4136, 0.2559, 0.2813

Protanopia

42.2155, 0.2791, 0.2806

Deuteranopia

42.1423, 0.2763, 0.2700



Tritanopia

42.4737, 0.2642, 0.3077

Trichromacy



Original Color

42.4136, 0.2559, 0.2813

Protanomaly

42.3317, 0.2696, 0.2811

Deuteranomaly

41.9615, 0.2682, 0.2737

Tritanomaly

42.4279, 0.2610, 0.2982

Monochromacy



Original Color

42.4136, 0.2559, 0.2813

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7014, 0.2895, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4136, 0.2559, 0.2813 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(137, 179, 214)` looks like.

```
.text, #text, p{  
    color:rgb(137, 179, 214)  
}
```

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(137, 179, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 179, 214) }
```

Border

The CSS property to change the border of an element to Yxy 42.4136, 0.2559, 0.2813 is called "border". The border property can be set on classes, ids or directly on the HTML element.

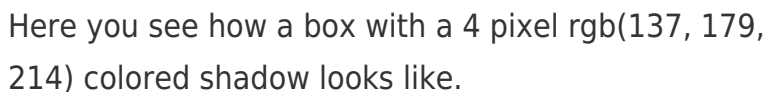
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 179, 214) }
```

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

```
.border{ border-color:rgb(137, 179, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 179, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 179, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 179, 214);  
box-shadow:4px 4px 4px 4px rgb(137, 179,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4136, 0.2559, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 179, 214) }
```

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

```
.background{ background-color: rgb(137,  
179, 214) }
```

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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