

Converting Colors

$Y_{xy}(42.5088, 0.2430, 0.2637)$

Have a look what the booklet for
Yxy(42.5088, 0.2430, 0.2637)
contains.

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Color

Yxy(42.5088, 0.2430, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	81B3E4
RGB	129, 179, 228
RGB Percent	51%, 70%, 89%
CMY	0.4942, 0.2980, 0.1060
CMYK	0.43, 0.21, 0.00, 0.11
HSL	210°, 65%, 70%
HSV	210°, 43%, 89%
XYZ	39.1719, 42.5088, 79.5206
YIQ	169.6360, -45.5290, 4.6390

Conversions

Conversions Part 2

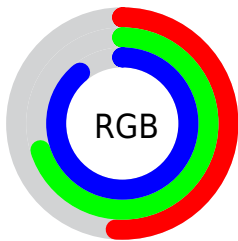
Format	Color
RYB	129, 162, 228
Decimal	8500196
CIELab	71.22, -3.86, -29.73
CIELCh	71, 29.979, 262.604
Yxy	42.5088, 0.2430, 0.2637
Android (android.graphics.Color)	4286690276 (0xFF81B3E4)
YUV	169.6360, 28.7735, -35.6378
Hunter-Lab	65.1988, -6.8537, -26.6748

Details

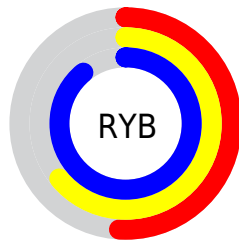
The Yxy color **42.5088, 0.2430, 0.2637** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.8954, 0.4007, 0.3855**, and the grayscale version is **39.8782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9509, 0.2704, 0.3071**, and **19.3167, 0.2240, 0.2451** is the 20% darker color. If you saturate the color by 10%, you get **36.5828, 0.2274, 0.2453**, and if you desaturate by 10%, it is **49.2059, 0.2592, 0.2811**.

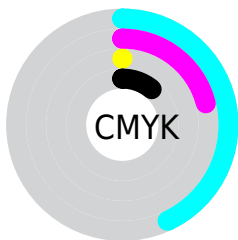
Distribution



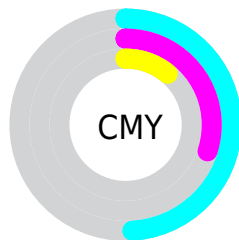
- Red (51%)
- Green (70%)
- Blue (89%)



- Red (51%)
- Yellow (64%)
- Blue (89%)



- Cyan (43%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5088, 0.2430, 0.2637 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 42.5088, 0.2430, 0.2637 by changing the saturation by 10% instead.

■ 42.5088, 0.2430,
0.2637

■ 42.5088, 0.2430,
0.2637

■ 356.5878, 0.2774,
0.2963

■ 29.4999, 0.2347,
0.2557

■ 78.9691, 0.2553,
0.2755

■ 19.4593, 0.2242,
0.2455

■ 103.1893, 0.2600,
0.2799

■ 12.0026, 0.2105,
0.2322

■ 131.9154, 0.2640,
0.2837

■ 6.7455, 0.1923,
0.2142

■ 165.5317, 0.2674,
0.2869

■ 3.3034, 0.1669,
0.1889

■ 204.4227, 0.2704,
0.2898

■ 1.2921, 0.1302,
0.1514

■ 248.9728, 0.2730,

■ 0.1351, 0.0113,

0.2922

0.0447

299.5664, 0.2753,
0.2944

0.0000, 0.0000,
0.0000

42.5088, 0.2430,
0.2637

42.5088, 0.2430,
0.2637

36.5828, 0.2274,
0.2453

49.2059, 0.2592,
0.2811

31.3875, 0.2130,
0.2261

56.7021, 0.2756,
0.2971

26.8853, 0.2002,
0.2066

65.0297, 0.2918,
0.3117

23.0319, 0.1896,
0.1874

74.2173, 0.3075,
0.3248

19.7752, 0.1814,
0.1689

84.2923, 0.3225,
0.3365

■ 17.9092, 0.1770,
0.1573

■ 93.1802, 0.3295,
0.3473

■ 98.3801, 0.3286,
0.3552

Harmonies

Analogous

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



42.5088, 0.2332, 0.2848



42.5088, 0.2430, 0.2637



42.5088, 0.2704, 0.2599

Triad

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



42.5088, 0.2430, 0.2637



42.5088, 0.3877, 0.3297



42.5088, 0.3099, 0.3968

Complementary

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



42.5088, 0.2430, 0.2637



49.8954, 0.4007, 0.3855

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.



42.5088, 0.3523, 0.4070



42.5088, 0.2430, 0.2637



42.5088, 0.3991, 0.3644

Square

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



42.5088, 0.2430, 0.2637



42.5088, 0.3545, 0.2968



42.5088, 0.3855, 0.3933



42.5088, 0.2700, 0.3637

Rectangle

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



42.5088, 0.2430, 0.2637



42.5088, 0.2964, 0.2663



42.5088, 0.3855, 0.3933



42.5088, 0.3243, 0.4030

Sweetspot

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



42.5104, 0.2430, 0.2637



84.2265, 0.2923, 0.3122



63.3068, 0.2805, 0.3972



17.4955, 0.2888, 0.3091



0.0000, 0.0000, 0.0000



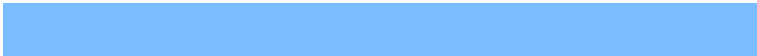
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5104, 0.2430, 0.2637



47.9588, 0.2291, 0.2473



26.4007, 0.2316, 0.1965



15.0850, 0.2981, 0.3171



10.5816, 0.1778, 0.1600



0.9678, 0.1851, 0.1862

Inverse Universe

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



35.4416, 0.3679, 0.2718



38.9695, 0.3849, 0.2610



72.6446, 0.3779, 0.4341



14.4889, 0.3214, 0.3172



10.2659, 0.4931, 0.2490



0.7774, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 42.5088, 0.2430, 0.2637 looks on a white background.

Color Contrast Check

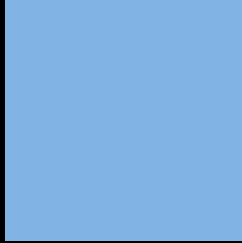
Large Text (above 18pt) WCAG AA × Fail

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 42.5088, 0.2430, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

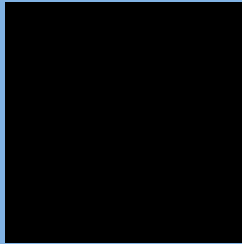
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

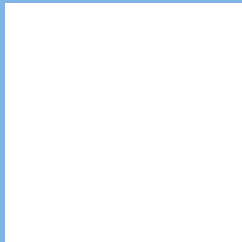
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5088, 0.2430, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 42.5088, 0.2430, 0.2637.



This preview shows how white text looks on a background with the Yxy color 42.5088, 0.2430, 0.2637.

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

42.5088, 0.2430, 0.2637

Protanopia

42.4098, 0.2658, 0.2635

Deuteranopia

42.3126, 0.2605, 0.2543



Tritanopia

42.4694, 0.2557, 0.3074

Trichromacy



Original Color

42.5088, 0.2430, 0.2637

Protanomaly

42.4857, 0.2565, 0.2638

Deuteranomaly

42.3188, 0.2540, 0.2579

Tritanomaly

42.3941, 0.2507, 0.2898

Monochromacy



Original Color

42.5088, 0.2430, 0.2637

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.6173, 0.2834, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5088, 0.2430, 0.2637 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(129, 179, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 179, 228)  
}
```

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(129, 179, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 179, 228) }
```

Border

The CSS property to change the border of an element to Yxy 42.5088, 0.2430, 0.2637 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(129, 179, 228) }
```

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

```
.border{ border-color:rgb(129, 179, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 179, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 179, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 179, 228);  
box-shadow:4px 4px 4px 4px rgb(129, 179,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5088, 0.2430, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 179, 228) }
```

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

```
.background{ background-color: rgb(129,  
179, 228) }
```

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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