

Converting Colors

$Yxy(42.4930, 0.2544, 0.2852)$

Have a look what the booklet for
Yxy(42.4930, 0.2544, 0.2852)
contains.

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Color

Yxy(42.3825, 0.2547, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	85B4D4
RGB	133, 180, 212
RGB Percent	52%, 71%, 83%
CMY	0.4784, 0.2941, 0.1687
CMYK	0.37, 0.15, 0.00, 0.17
HSL	204°, 48%, 68%
HSV	204°, 37%, 83%
XYZ	37.8766, 42.3825, 68.4515
YIQ	169.5950, -38.2840, -0.0120

Conversions

Conversions Part 2

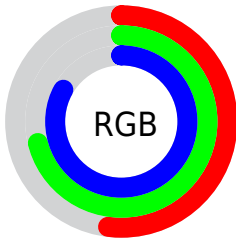
Format	Color
RYB	133, 162, 212
Decimal	8762580
CIELab	71.13, -7.63, -21.10
CIELCh	71, 22.439, 250.111
Yxy	42.3825, 0.2547, 0.2850
Android (android.graphics.Color)	4286952660 (0xFF85B4D4)
YUV	169.5950, 20.9057, -32.0938
Hunter-Lab	65.1018, -10.0761, -16.7693

Details

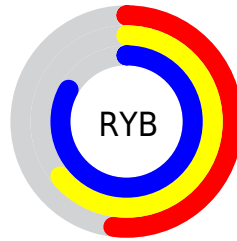
The Yxy color **42.3825, 0.2547, 0.2850** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.5920, 0.3882, 0.3688**, and the grayscale version is **39.8969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9023, 0.2722, 0.3083**, and **19.2753, 0.2383, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **37.4703, 0.2397, 0.2707**, and if you desaturate by 10%, it is **47.8607, 0.2702, 0.2983**.

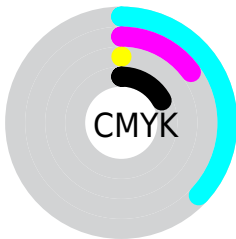
Distribution



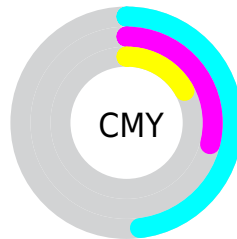
- Red (52%)
- Green (71%)
- Blue (83%)



- Red (52%)
- Yellow (64%)
- Blue (83%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3825, 0.2547, 0.2850 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 42.3825, 0.2547, 0.2850 by changing the saturation by 10% instead.

■ 42.3825, 0.2547,
0.2850

■ 42.3825, 0.2547,
0.2850

■ 356.0661, 0.2835,
0.3074

■ 29.4009, 0.2476,
0.2793

■ 78.7782, 0.2651,
0.2932

■ 19.3843, 0.2386,
0.2720

■ 102.9611, 0.2690,
0.2963

■ 11.9483, 0.2267,
0.2622

■ 131.6466, 0.2724,
0.2989

■ 6.7085, 0.2106,
0.2485

■ 165.2190, 0.2752,
0.3011

■ 3.2805, 0.1874,
0.2283

■ 204.0627, 0.2777,
0.3030

■ 1.2799, 0.1521,
0.1960

■ 248.5623, 0.2799,

■ 0.1255, 0.0000,

0.3047

0.0663

299.1019, 0.2818,
0.3061

0.0000, 0.0000,
0.0000

42.3825, 0.2547,
0.2850

42.3825, 0.2547,
0.2850

37.4703, 0.2397,
0.2707

47.8607, 0.2702,
0.2983

33.0943, 0.2258,
0.2557

53.9231, 0.2860,
0.3105

29.2287, 0.2133,
0.2401

60.5928, 0.3016,
0.3217

25.8432, 0.2026,
0.2243

67.8902, 0.3169,
0.3316

22.9026, 0.1940,
0.2087

75.8343, 0.3316,
0.3405

■ 20.3610, 0.1875,
0.1934

■ 83.4436, 0.3419,
0.3486

■ 19.7108, 0.1859,
0.1893

■ 88.3803, 0.3405,
0.3570

■ 93.5560, 0.3392,
0.3652

■ 97.5320, 0.3382,
0.3711

Harmonies

Analogous

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



42.3825, 0.2534, 0.3067



42.3825, 0.2547, 0.2850



42.3825, 0.2706, 0.2759

Triad

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



42.3825, 0.2547, 0.2850



42.3825, 0.3600, 0.3191



42.3825, 0.3248, 0.3844

Complementary

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



42.3825, 0.2547, 0.2850



42.5920, 0.3882, 0.3688

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.



42.3825, 0.3547, 0.3851



42.3825, 0.2547, 0.2850



42.3825, 0.3760, 0.3460

Square

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



42.3825, 0.2547, 0.2850



42.3825, 0.3310, 0.2956



42.3825, 0.3738, 0.3702



42.3825, 0.2927, 0.3663

Rectangle

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



42.3825, 0.2547, 0.2850



42.3825, 0.2880, 0.2773



42.3825, 0.3738, 0.3702



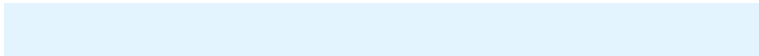
42.3825, 0.3354, 0.3866

Sweetspot

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



42.3841, 0.2547, 0.2850



88.0293, 0.2956, 0.3175



54.7624, 0.2884, 0.3951



18.5435, 0.2934, 0.3160



0.0000, 0.0000, 0.0000



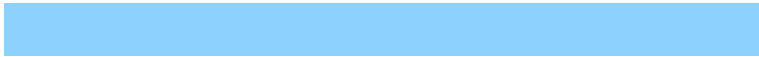
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3841, 0.2547, 0.2850



58.1919, 0.2423, 0.2733



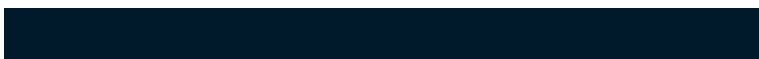
28.7647, 0.2465, 0.2283



13.2252, 0.2982, 0.3193



12.3733, 0.1865, 0.1914



0.9069, 0.1938, 0.2177

Inverse Universe

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



34.0685, 0.3494, 0.2719



44.6699, 0.3608, 0.2595



58.9083, 0.3714, 0.4129



12.5436, 0.3199, 0.3152



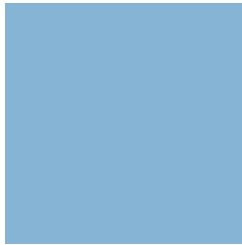
9.5939, 0.4551, 0.2281



0.5949, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 42.3825, 0.2547, 0.2850 looks on a white background.

Color Contrast Check

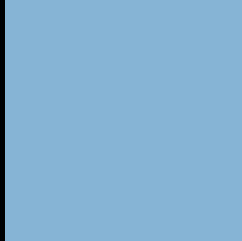
Large Text (above 18pt) WCAG AA × Fail

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 42.3825, 0.2547, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

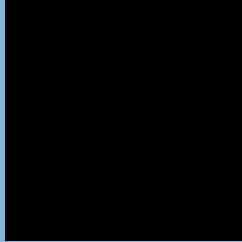
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3825, 0.2547, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 42.3825, 0.2547, 0.2850.

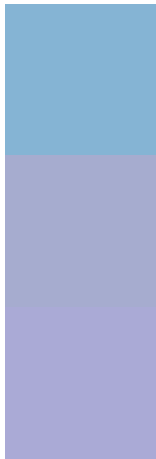


This preview shows how white text looks on a background with the Yxy color 42.3825, 0.2547, 0.2850.

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

42.3825, 0.2547, 0.2850

Protanopia

42.1170, 0.2805, 0.2830

Deuteranopia

42.1505, 0.2785, 0.2724



Tritanopia

42.5653, 0.2618, 0.3090

Trichromacy



Original Color

42.3825, 0.2547, 0.2850

Protanomaly

42.1334, 0.2702, 0.2835

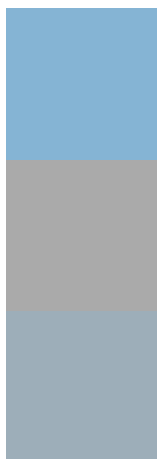
Deuteranomaly

42.2443, 0.2697, 0.2775

Tritanomaly

42.4660, 0.2592, 0.3007

Monochromacy



Original Color

42.3825, 0.2547, 0.2850

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9430, 0.2895, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3825, 0.2547, 0.2850 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(133, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 212)  
}
```

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(133, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.3825, 0.2547, 0.2850 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(133, 180, 212) }
```

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

```
.border{ border-color:rgb(133, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3825, 0.2547, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 212) }
```

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

```
.background{ background-color: rgb(133,  
180, 212) }
```

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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