

Converting Colors

Yxy(46.5134, 0.2449, 0.2651)

Have a look what the booklet for
Yxy(46.5134, 0.2449, 0.2651)
contains.

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Color

Yxy(46.4923, 0.2450, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	89BAEC
RGB	137, 186, 236
RGB Percent	54%, 73%, 93%
CMY	0.4627, 0.2706, 0.0745
CMYK	0.42, 0.21, 0.00, 0.07
HSL	210°, 72%, 73%
HSV	210°, 42%, 93%
XYZ	43.0159, 46.4923, 86.0669
YIQ	177.0490, -45.2540, 5.1620

Conversions

Conversions Part 2

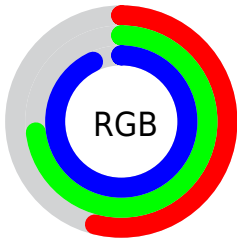
Format	Color
RYB	137, 170, 236
Decimal	9026284
CIELab	73.86, -3.46, -29.98
CIElCh	74, 30.183, 263.418
Yxy	46.4923, 0.2450, 0.2648
Android (android.graphics.Color)	4287216364 (0xFF89BAEC)
YUV	177.0490, 29.0628, -35.1230
Hunter-Lab	68.1853, -6.7142, -27.1092

Details

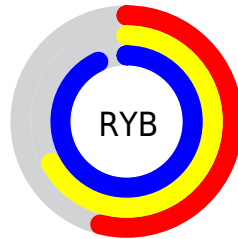
The Yxy color **46.4923, 0.2450, 0.2648** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.1823, 0.3967, 0.3849**, and the grayscale version is **43.8569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1936, 0.2761, 0.3150**, and **21.8197, 0.2270, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **39.8982, 0.2291, 0.2460**, and if you desaturate by 10%, it is **53.9451, 0.2614, 0.2824**.

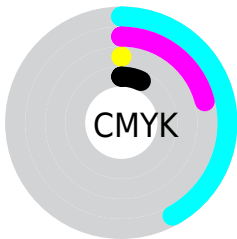
Distribution



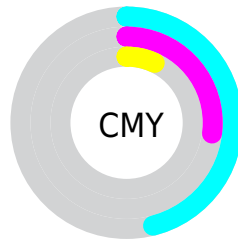
- Red (54%)
- Green (73%)
- Blue (93%)



- Red (54%)
- Yellow (67%)
- Blue (93%)



- Cyan (42%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (46%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4923, 0.2450, 0.2648 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 46.4923, 0.2450, 0.2648 by changing the saturation by 10% instead.

■ 46.4923, 0.2450,
0.2648

■ 46.4923, 0.2450,
0.2648

■ 372.7843, 0.2780,
0.2964

■ 32.6345, 0.2371,
0.2572

■ 84.9553, 0.2567,
0.2761

■ 21.8466, 0.2273,
0.2476

■ 110.3292, 0.2612,
0.2804

■ 13.7442, 0.2146,
0.2351

■ 140.3107, 0.2650,
0.2841

■ 7.9430, 0.1978,
0.2185

■ 175.2841, 0.2683,
0.2872

■ 4.0585, 0.1746,
0.1953

■ 215.6337, 0.2712,
0.2900

■ 1.7063, 0.1415,
0.1616

■ 261.7440, 0.2737,

■ 0.4278, 0.0739,

0.2924

0.0982

313.9995, 0.2760,
0.2945

0.0000, 0.0000,
0.0000

46.4923, 0.2450,
0.2648

46.4923, 0.2450,
0.2648

39.8982, 0.2291,
0.2460

53.9451, 0.2614,
0.2824

34.1186, 0.2143,
0.2265

62.2871, 0.2779,
0.2986

29.1124, 0.2011,
0.2066

71.5539, 0.2941,
0.3134

24.8317, 0.1900,
0.1868

81.7770, 0.3097,
0.3266

21.2205, 0.1814,
0.1679

92.9854, 0.3246,
0.3384

■ 18.7348, 0.1760,
0.1535

■ 98.8364, 0.3238,
0.3473

Harmonies

Analogous

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



46.4923, 0.2349, 0.2851



46.4923, 0.2450, 0.2648



46.4923, 0.2723, 0.2614

Triad

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



46.4923, 0.2450, 0.2648



46.4923, 0.3866, 0.3307



46.4923, 0.3089, 0.3945

Complementary

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



46.4923, 0.2450, 0.2648



55.1823, 0.3967, 0.3849

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.



46.4923, 0.3504, 0.4052



46.4923, 0.2450, 0.2648



46.4923, 0.3971, 0.3646

Square

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



46.4923, 0.2450, 0.2648



46.4923, 0.3546, 0.2983



46.4923, 0.3832, 0.3926



46.4923, 0.2700, 0.3618

Rectangle

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



46.4923, 0.2450, 0.2648



46.4923, 0.2979, 0.2680



46.4923, 0.3832, 0.3926



46.4923, 0.3230, 0.4008

Sweetspot

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



46.4941, 0.2450, 0.2648



84.0250, 0.2923, 0.3118



68.8792, 0.2804, 0.3924



17.4459, 0.2888, 0.3086



0.0000, 0.0000, 0.0000



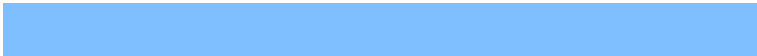
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4941, 0.2450, 0.2648



48.8603, 0.2318, 0.2494



29.2667, 0.2343, 0.1993



15.7804, 0.2981, 0.3168



10.5849, 0.1768, 0.1563



1.0235, 0.1838, 0.1816

Inverse Universe

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



39.2709, 0.3666, 0.2747



40.3125, 0.3824, 0.2646



79.6341, 0.3753, 0.4325



15.1784, 0.3215, 0.3174



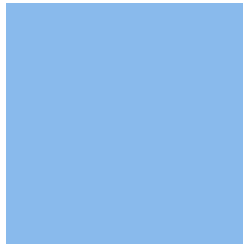
10.5614, 0.4978, 0.2516



0.8487, 0.4667, 0.2345

Previews

White Background



This preview shows how the Yxy color 46.4923, 0.2450, 0.2648 looks on a white background.

Color Contrast Check

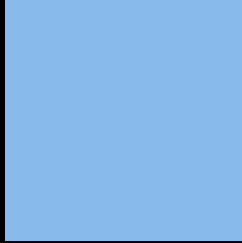
Large Text (above 18pt) WCAG AA × Fail

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 46.4923, 0.2450, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

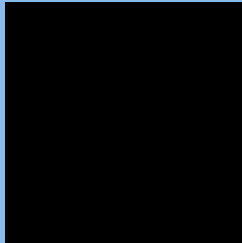
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

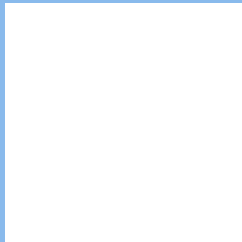
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4923, 0.2450, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 46.4923, 0.2450, 0.2648.



This preview shows how white text looks on a background with the Yxy color 46.4923, 0.2450, 0.2648.

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

46.4923, 0.2450, 0.2648

Protanopia

46.3346, 0.2666, 0.2646

Deuteranopia

46.3387, 0.2622, 0.2558



Tritanopia

46.4337, 0.2574, 0.3069

Trichromacy



Original Color

46.4923, 0.2450, 0.2648

Protanomaly

46.5072, 0.2583, 0.2650

Deuteranomaly

46.3303, 0.2558, 0.2593

Tritanomaly

46.3627, 0.2525, 0.2900

Monochromacy



Original Color

46.4923, 0.2450, 0.2648

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4011, 0.2844, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4923, 0.2450, 0.2648 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, 186, 236)` looks like.

```
.text, #text, p{  
    color:rgb(137, 186, 236)  
}
```

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, 186, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 186, 236) }
```

Border

The CSS property to change the border of an element to Yxy 46.4923, 0.2450, 0.2648 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, 186, 236) }
```

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

```
.border{ border-color:rgb(137, 186, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 186, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 186, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 186, 236);  
box-shadow:4px 4px 4px 4px rgb(137, 186,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4923, 0.2450, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 186, 236) }
```

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

```
.background{ background-color: rgb(137,  
186, 236) }
```

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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