

Converting Colors

$Yxy(48.0725, 0.2447, 0.2665)$

Have a look what the booklet for
Yxy(48.0725, 0.2447, 0.2665)
contains.

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Color

Yxy(47.8866, 0.2446, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	89BDEE
RGB	137, 189, 238
RGB Percent	54%, 74%, 93%
CMY	0.4630, 0.2587, 0.0668
CMYK	0.42, 0.21, 0.00, 0.07
HSL	209°, 75%, 74%
HSV	209°, 42%, 93%
XYZ	43.9350, 47.8866, 87.7981
YIQ	179.0380, -46.7210, 4.2150

Conversions

Conversions Part 2

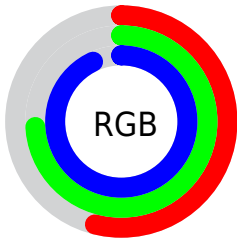
Format	Color
RYB	137, 171, 238
Decimal	9027054
CIELab	74.75, -4.58, -29.68
CIELCh	75, 30.034, 261.230
Yxy	47.8866, 0.2446, 0.2666
Android (android.graphics.Color)	4287217134 (0xFF89BDEE)
YUV	179.0380, 29.0683, -36.8673
Hunter-Lab	69.2001, -7.7711, -26.7844

Details

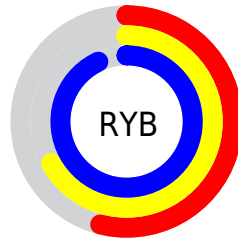
The Yxy color **47.8866, 0.2446, 0.2666** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.0477, 0.3990, 0.3834**, and the grayscale version is **44.9548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9941, 0.2764, 0.3183**, and **22.7350, 0.2270, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **41.3299, 0.2290, 0.2486**, and if you desaturate by 10%, it is **55.2847, 0.2608, 0.2835**.

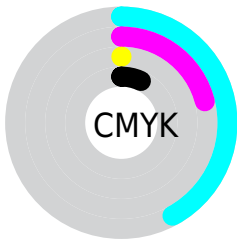
Distribution



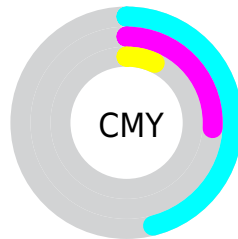
- Red (54%)
- Green (74%)
- Blue (93%)



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



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



- Cyan (46%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8866, 0.2446, 0.2666 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 47.8866, 0.2446, 0.2666 by changing the saturation by 10% instead.

■ 47.8866, 0.2446,
0.2666

■ 47.8866, 0.2446,
0.2666

■ 378.3425, 0.2776,
0.2972

■ 33.7371, 0.2368,
0.2592

■ 87.0355, 0.2563,
0.2775

■ 22.6917, 0.2270,
0.2499

■ 112.8038, 0.2608,
0.2817

■ 14.3660, 0.2145,
0.2379

■ 143.2137, 0.2646,
0.2853

■ 8.3757, 0.1979,
0.2219

■ 178.6497, 0.2679,
0.2883

■ 4.3363, 0.1752,
0.1995

■ 219.4962, 0.2708,
0.2910

■ 1.8634, 0.1429,
0.1670

■ 266.1375, 0.2733,

■ 0.5262, 0.0821,

0.2933

0.1112

318.9582, 0.2756,
0.2954

0.0000, 0.0000,
0.0000

47.8866, 0.2446,
0.2666

47.8866, 0.2446,
0.2666

41.3299, 0.2290,
0.2486

55.2847, 0.2608,
0.2835

35.5705, 0.2146,
0.2298

63.5544, 0.2771,
0.2991

30.5678, 0.2018,
0.2107

72.7308, 0.2933,
0.3133

26.2739, 0.1911,
0.1918

82.8449, 0.3090,
0.3261

22.6324, 0.1828,
0.1735

93.7517, 0.3233,
0.3375

■ 20.2581, 0.1779,
0.1604

■ 98.9517, 0.3226,
0.3454

Harmonies

Analogous

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



47.8866, 0.2360, 0.2878



47.8866, 0.2446, 0.2666



47.8866, 0.2704, 0.2621

Triad

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



47.8866, 0.2446, 0.2666



47.8866, 0.3839, 0.3282



47.8866, 0.3120, 0.3951

Complementary

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



47.8866, 0.2446, 0.2666



55.0477, 0.3990, 0.3834

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.



47.8866, 0.3527, 0.4039



47.8866, 0.2446, 0.2666



47.8866, 0.3959, 0.3618

Square

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



47.8866, 0.2446, 0.2666



47.8866, 0.3511, 0.2967



47.8866, 0.3839, 0.3901



47.8866, 0.2732, 0.3642

Rectangle

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



47.8866, 0.2446, 0.2666



47.8866, 0.2952, 0.2678



47.8866, 0.3839, 0.3901



47.8866, 0.3259, 0.4007

Sweetspot

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



47.8884, 0.2446, 0.2666



84.4232, 0.2924, 0.3125



69.9838, 0.2810, 0.3956



17.5441, 0.2888, 0.3095



0.0000, 0.0000, 0.0000



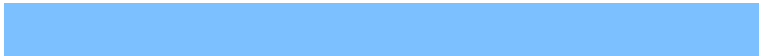
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8884, 0.2446, 0.2666



49.2718, 0.2310, 0.2509



29.8381, 0.2335, 0.1995



16.5765, 0.2980, 0.3173



11.5649, 0.1786, 0.1631



1.1613, 0.1851, 0.1863

Inverse Universe

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



39.7199, 0.3653, 0.2719



39.7200, 0.3814, 0.2609



80.1373, 0.3767, 0.4322



15.8949, 0.3212, 0.3169



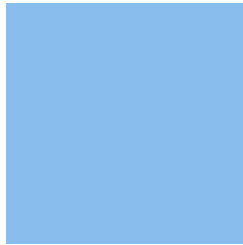
10.9608, 0.4893, 0.2469



0.9320, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 47.8866, 0.2446, 0.2666 looks on a white background.

Color Contrast Check

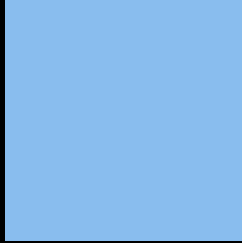
Large Text (above 18pt) WCAG AA × Fail

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 47.8866, 0.2446, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

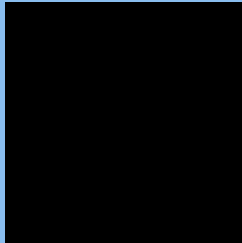
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

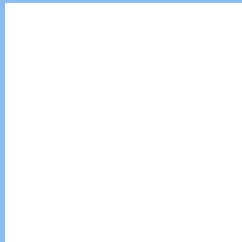
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8866, 0.2446, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 47.8866, 0.2446, 0.2666.



This preview shows how white text looks on a background with the Yxy color 47.8866, 0.2446, 0.2666.

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

47.8866, 0.2446, 0.2666

Protanopia

47.4200, 0.2677, 0.2663

Deuteranopia

47.5917, 0.2633, 0.2566



Tritanopia

47.9038, 0.2563, 0.3071

Trichromacy



Original Color

47.8866, 0.2446, 0.2666

Protanomaly

47.4906, 0.2587, 0.2666

Deuteranomaly

47.4699, 0.2563, 0.2599

Tritanomaly

47.7721, 0.2520, 0.2916

Monochromacy



Original Color

47.8866, 0.2446, 0.2666

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9296, 0.2847, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8866, 0.2446, 0.2666 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, 189, 238)` looks like.

```
.text, #text, p{  
    color:rgb(137, 189, 238)  
}
```

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, 189, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 189, 238) }
```

Border

The CSS property to change the border of an element to Yxy 47.8866, 0.2446, 0.2666 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, 189, 238) }
```

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

```
.border{ border-color:rgb(137, 189, 238) }
```

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

Here you see how a box with a 4 pixel rgb(137, 189, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 189, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 189, 238);  
box-shadow:4px 4px 4px 4px rgb(137, 189,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8866, 0.2446, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 189, 238) }
```

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

```
.background{ background-color: rgb(137,  
189, 238) }
```

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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