

Converting Colors

$Y_{xy}(47.9909, 0.2405, 0.2610)$

Have a look what the booklet for
Yxy(47.9909, 0.2405, 0.2610)
contains.

Yxy(47.9346, 0.2404, 0.2607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.9346, 0.2404, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	86BDF3
RGB	134, 189, 243
RGB Percent	53%, 74%, 95%
CMY	0.4747, 0.2588, 0.0470
CMYK	0.45, 0.22, 0.00, 0.05
HSL	210°, 82%, 74%
HSV	210°, 45%, 95%
XYZ	44.2021, 47.9346, 91.7322
YIQ	178.7110, -50.1140, 5.1340

Conversions

Conversions Part 2

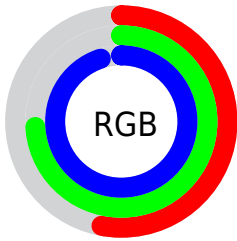
Format	Color
RYB	134, 171, 243
Decimal	8830451
CIELab	74.78, -3.93, -32.37
CIELCh	75, 32.607, 263.081
Yxy	47.9346, 0.2404, 0.2607
Android (android.graphics.Color)	4287020531 (0xFF86BDF3)
YUV	178.7110, 31.6945, -39.2115
Hunter-Lab	69.2348, -7.1999, -30.0915

Details

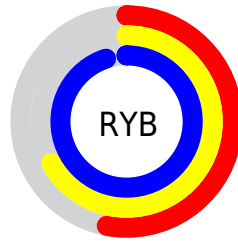
The Yxy color **47.9346, 0.2404, 0.2607** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.7248, 0.4049, 0.3877**, and the grayscale version is **44.7613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6012, 0.2748, 0.3182**, and **22.7740, 0.2218, 0.2425** is the 20% darker color. If you saturate the color by 10%, you get **41.2003, 0.2249, 0.2420**, and if you desaturate by 10%, it is **55.5608, 0.2566, 0.2783**.

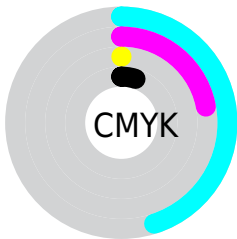
Distribution



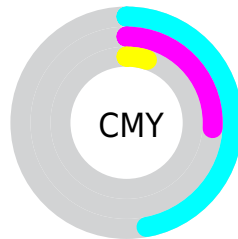
- Red (53%)
- Green (74%)
- Blue (95%)



- Red (53%)
- Yellow (67%)
- Blue (95%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (47%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9346, 0.2404, 0.2607 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 47.9346, 0.2404, 0.2607 by changing the saturation by 10% instead.

■ 47.9346, 0.2404,
0.2607

■ 47.9346, 0.2404,
0.2607

■ 378.5328, 0.2753,
0.2941

■ 33.7751, 0.2322,
0.2527

■ 87.1070, 0.2527,
0.2726

■ 22.7209, 0.2219,
0.2427

■ 112.8887, 0.2575,
0.2771

■ 14.3875, 0.2088,
0.2299

■ 143.3133, 0.2615,
0.2810

■ 8.3907, 0.1916,
0.2129

■ 178.7651, 0.2650,
0.2843

■ 4.3459, 0.1682,
0.1894

■ 219.6286, 0.2681,
0.2872

■ 1.8689, 0.1355,
0.1560

■ 266.2881, 0.2708,

■ 0.5296, 0.0775,

0.2898

0.1008

319.1281, 0.2732,
0.2920

0.0000, 0.0000,
0.0000

47.9346, 0.2404,
0.2607

47.9346, 0.2404,
0.2607

41.2003, 0.2249,
0.2420

55.5608, 0.2566,
0.2783

35.3102, 0.2106,
0.2227

64.1122, 0.2731,
0.2947

30.2194, 0.1982,
0.2031

73.6269, 0.2894,
0.3096

25.8749, 0.1879,
0.1839

84.1389, 0.3052,
0.3230

22.2136, 0.1801,
0.1655

95.5936, 0.3201,
0.3350

■ 20.5612, 0.1768,
0.1565

■ 99.2523, 0.3197,
0.3405

Harmonies

Analogous

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



47.9346, 0.2299, 0.2822



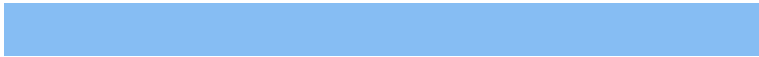
47.9346, 0.2404, 0.2607



47.9346, 0.2691, 0.2571

Triad

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



47.9346, 0.2404, 0.2607



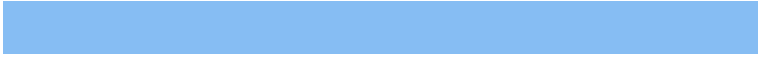
47.9346, 0.3916, 0.3301



47.9346, 0.3089, 0.3997

Complementary

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



47.9346, 0.2404, 0.2607



56.7248, 0.4049, 0.3877

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.



47.9346, 0.3533, 0.4106



47.9346, 0.2404, 0.2607



47.9346, 0.4030, 0.3662

Square

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



47.9346, 0.2404, 0.2607



47.9346, 0.3570, 0.2959



47.9346, 0.3882, 0.3964



47.9346, 0.2675, 0.3646

Rectangle

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



47.9346, 0.2404, 0.2607



47.9346, 0.2963, 0.2640



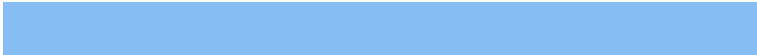
47.9346, 0.3882, 0.3964



47.9346, 0.3240, 0.4064

Sweetspot

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



47.9364, 0.2404, 0.2607



84.2166, 0.2923, 0.3121



72.7509, 0.2796, 0.4003



17.4931, 0.2888, 0.3090



0.0000, 0.0000, 0.0000



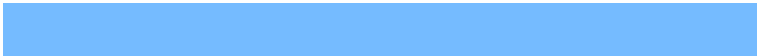
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9364, 0.2404, 0.2607



46.4861, 0.2260, 0.2434



29.0777, 0.2281, 0.1907



17.3095, 0.2980, 0.3170



11.5530, 0.1776, 0.1593



1.2210, 0.1838, 0.1818

Inverse Universe

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



39.7680, 0.3710, 0.2698



37.6327, 0.3891, 0.2588



83.8088, 0.3801, 0.4377



16.6221, 0.3214, 0.3171



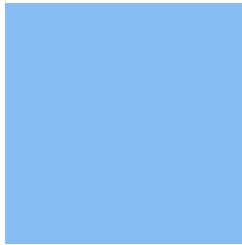
11.2657, 0.4940, 0.2495



1.0109, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 47.9346, 0.2404, 0.2607 looks on a white background.

Color Contrast Check

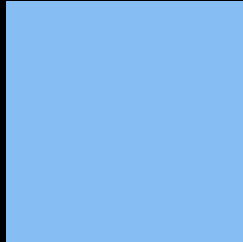
Large Text (above 18pt) WCAG AA × Fail

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 47.9346, 0.2404, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

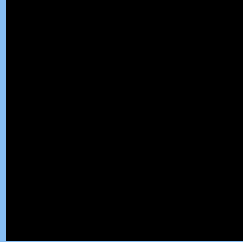
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

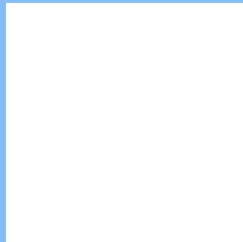
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9346, 0.2404, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 47.9346, 0.2404, 0.2607.



This preview shows how white text looks on a background with the Yxy color 47.9346, 0.2404, 0.2607.

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

47.9346, 0.2404, 0.2607

Protanopia

47.5972, 0.2639, 0.2608

Deuteranopia

47.8558, 0.2578, 0.2521



Tritanopia

48.0933, 0.2536, 0.3070

Trichromacy



Original Color

47.9346, 0.2404, 0.2607

Protanomaly

47.5809, 0.2545, 0.2608

Deuteranomaly

47.7812, 0.2511, 0.2554

Tritanomaly

48.0568, 0.2484, 0.2890

Monochromacy



Original Color

47.9346, 0.2404, 0.2607

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9178, 0.2826, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9346, 0.2404, 0.2607 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(134, 189, 243)` looks like.

```
.text, #text, p{  
    color:rgb(134, 189, 243)  
}
```

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(134, 189, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 189, 243) }
```

Border

The CSS property to change the border of an element to Yxy 47.9346, 0.2404, 0.2607 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(134, 189, 243) }
```

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

```
.border{ border-color:rgb(134, 189, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 189, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 189, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 189, 243);  
box-shadow:4px 4px 4px 4px rgb(134, 189,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9346, 0.2404, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 189, 243) }
```

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

```
.background{ background-color: rgb(134,  
189, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor