

Converting Colors

$Yxy(48.3158, 0.2441, 0.2508)$

Have a look what the booklet for
Yxy(48.3158, 0.2441, 0.2508)
contains.

Yxy(48.3158, 0.2441, 0.2508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3158, 0.2441, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	94BAFA
RGB	148, 186, 250
RGB Percent	58%, 73%, 98%
CMY	0.4197, 0.2706, 0.0195
CMYK	0.41, 0.26, 0.00, 0.02
HSL	218°, 91%, 78%
HSV	218°, 41%, 98%
XYZ	47.0251, 48.3158, 97.3059
YIQ	181.9340, -43.1920, 11.8480

Conversions

Conversions Part 2

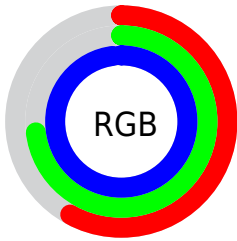
Format	Color
RYB	148, 176, 250
Decimal	9747194
CIELab	75.02, 3.11, -35.71
CIELCh	75, 35.843, 274.985
Yxy	48.3158, 0.2441, 0.2508
Android (android.graphics.Color)	4287937274 (0xFF94BAFA)
YUV	181.9340, 33.5565, -29.7601
Hunter-Lab	69.5096, -0.8818, -34.3429

Details

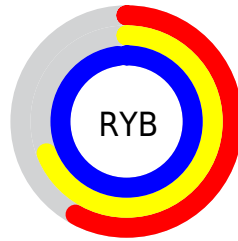
The Yxy color **48.3158, 0.2441, 0.2508** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5448, 0.3888, 0.3958**, and the grayscale version is **46.5715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7034, 0.2824, 0.3153**, and **22.9006, 0.2265, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **39.9832, 0.2266, 0.2273**, and if you desaturate by 10%, it is **57.8808, 0.2618, 0.2729**.

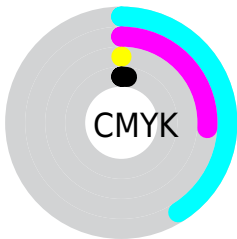
Distribution



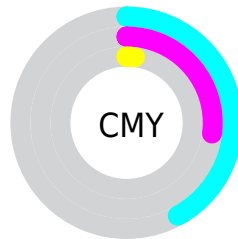
- Red (58%)
- Green (73%)
- Blue (98%)



- Red (58%)
- Yellow (69%)
- Blue (98%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)



- Cyan (42%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3158, 0.2441, 0.2508 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 48.3158, 0.2441, 0.2508 by changing the saturation by 10% instead.

■ 48.3158, 0.2441,
0.2508

■ 48.3158, 0.2441,
0.2508

380.0425, 0.2773,
0.2883

■ 34.0770, 0.2363,
0.2420

■ 87.6744, 0.2558,
0.2640

■ 22.9528, 0.2265,
0.2312

■ 113.5631, 0.2604,
0.2691

■ 14.5587, 0.2140,
0.2174

144.1038, 0.2642,
0.2734

■ 8.5102, 0.1976,
0.1993

179.6810, 0.2675,
0.2772

■ 4.4231, 0.1753,
0.1751

220.6791, 0.2704,
0.2805

■ 1.9130, 0.1441,
0.1415

267.4824, 0.2730,

■ 0.5562, 0.0970,

0.2834

0.0893

320.4754, 0.2753,
0.2860

0.0000, 0.0000,
0.0000

48.3158, 0.2441,
0.2508

48.3158, 0.2441,
0.2508

39.9832, 0.2266,
0.2273

57.8808, 0.2618,
0.2729

32.8215, 0.2099,
0.2029

68.7248, 0.2792,
0.2931

26.7714, 0.1948,
0.1784

80.8983, 0.2958,
0.3114

21.7649, 0.1819,
0.1547

94.4476, 0.3115,
0.3278

17.7240, 0.1720,
0.1329

99.6834, 0.3156,
0.3338

■ 14.7649, 0.1654,
0.1152

Harmonies

Analogous

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



48.3158, 0.2247, 0.2660



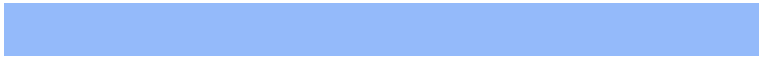
48.3158, 0.2441, 0.2508



48.3158, 0.2819, 0.2545

Triad

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



48.3158, 0.2441, 0.2508



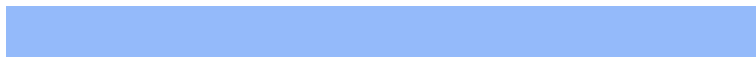
48.3158, 0.4077, 0.3454



48.3158, 0.2892, 0.3943

Complementary

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



48.3158, 0.2441, 0.2508



69.5448, 0.3888, 0.3958

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.



48.3158, 0.3379, 0.4178



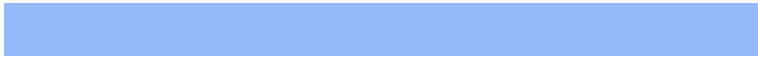
48.3158, 0.2441, 0.2508



48.3158, 0.4083, 0.3834

Square

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



48.3158, 0.2441, 0.2508



48.3158, 0.3787, 0.3068



48.3158, 0.3819, 0.4115



48.3158, 0.2488, 0.3486

Rectangle

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



48.3158, 0.2441, 0.2508



48.3158, 0.3142, 0.2663



48.3158, 0.3819, 0.4115



48.3158, 0.3051, 0.4053

Sweetspot

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



48.3176, 0.2441, 0.2508



83.0100, 0.2939, 0.3093



79.3755, 0.2751, 0.3756



17.3987, 0.2917, 0.3070



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.



48.3176, 0.2441, 0.2508



43.2645, 0.2296, 0.2315



35.5355, 0.2447, 0.2055



17.7028, 0.2979, 0.3137



8.0830, 0.1662, 0.1182



0.9444, 0.1727, 0.1418

Inverse Universe

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



45.0444, 0.3775, 0.2888



40.3978, 0.3975, 0.2811



88.7182, 0.3655, 0.4333



17.3322, 0.3235, 0.3202



11.2269, 0.5492, 0.2799



1.0596, 0.5167, 0.2620

Previews

White Background



This preview shows how the Yxy color 48.3158, 0.2441, 0.2508 looks on a white background.

Color Contrast Check

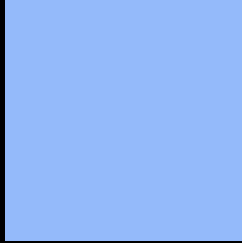
Large Text (above 18pt) WCAG AA × Fail

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 48.3158, 0.2441, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

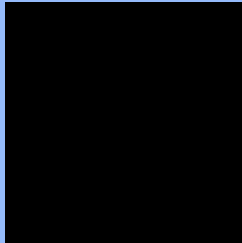
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

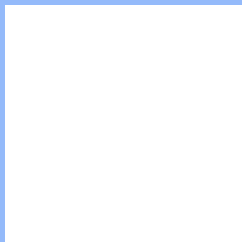
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3158, 0.2441, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 48.3158, 0.2441, 0.2508.



This preview shows how white text looks on a background with the Yxy color 48.3158, 0.2441, 0.2508.

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

48.3158, 0.2441, 0.2508

Protanopia

48.2783, 0.2562, 0.2511

Deuteranopia

48.3134, 0.2526, 0.2468



Tritanopia

48.5054, 0.2617, 0.3087

Trichromacy



Original Color

48.3158, 0.2441, 0.2508

Protanomaly

48.0152, 0.2513, 0.2504

Deuteranomaly

48.1011, 0.2490, 0.2472

Tritanomaly

48.3061, 0.2549, 0.2859

Monochromacy



Original Color

48.3158, 0.2441, 0.2508

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9180, 0.2844, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3158, 0.2441, 0.2508 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(148, 186, 250)` looks like.

```
.text, #text, p{  
    color:rgb(148, 186, 250)  
}
```

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(148, 186, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 186, 250) }
```

Border

The CSS property to change the border of an element to Yxy 48.3158, 0.2441, 0.2508 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(148, 186, 250) }
```

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

```
.border{ border-color:rgb(148, 186, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 186, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 186, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 186, 250);  
box-shadow:4px 4px 4px 4px rgb(148, 186,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3158, 0.2441, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 186, 250) }
```

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

```
.background{ background-color: rgb(148,  
186, 250) }
```

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