

Converting Colors

$Y_{xy}(51.3470, 0.2495, 0.2771)$

Have a look what the booklet for
Yxy(51.3470, 0.2495, 0.2771)
contains.

Yxy(51.3451, 0.2495, 0.2774)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.3451, 0.2495, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	8EC4ED
RGB	142, 196, 237
RGB Percent	56%, 77%, 93%
CMY	0.4430, 0.2314, 0.0707
CMYK	0.40, 0.17, 0.00, 0.07
HSL	206°, 72%, 74%
HSV	206°, 40%, 93%
XYZ	46.1810, 51.3451, 87.5680
YIQ	184.5280, -45.3450, 1.3030

Conversions

Conversions Part 2

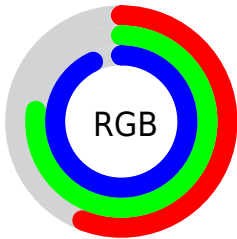
Format	Color
RYB	142, 176, 237
Decimal	9356525
CIELab	76.89, -7.30, -25.84
CIELCh	77, 26.851, 254.225
Yxy	51.3451, 0.2495, 0.2774
Android (android.graphics.Color)	4287546605 (0xFF8EC4ED)
YUV	184.5280, 25.8687, -37.2971
Hunter-Lab	71.6555, -10.3563, -22.2977

Details

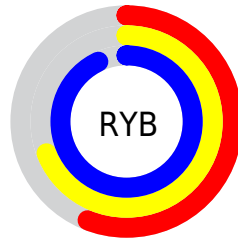
The Yxy color **51.3451, 0.2495, 0.2774** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.8181, 0.3952, 0.3749**, and the grayscale version is **48.1170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6127, 0.2798, 0.3268**, and **24.7084, 0.2335, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **45.0116, 0.2344, 0.2617**, and if you desaturate by 10%, it is **58.4424, 0.2653, 0.2921**.

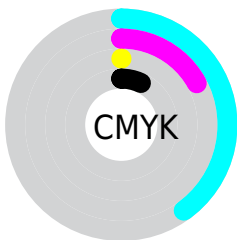
Distribution



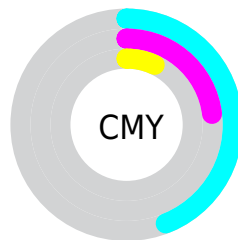
- Red (56%)
- Green (77%)
- Blue (93%)



- Red (56%)
- Yellow (69%)
- Blue (93%)



- Cyan (40%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3451, 0.2495, 0.2774 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 51.3451, 0.2495, 0.2774 by changing the saturation by 10% instead.

■ 51.3451, 0.2495,
0.2774

■ 51.3451, 0.2495,
0.2774

391.9031, 0.2798,
0.3027

■ 36.4833, 0.2424,
0.2713

■ 92.1647, 0.2602,
0.2865

■ 24.8077, 0.2335,
0.2636

■ 118.8913, 0.2643,
0.2899

■ 15.9338, 0.2221,
0.2536

150.3416, 0.2678,
0.2928

■ 9.4774, 0.2070,
0.2402

186.9001, 0.2709,
0.2954

■ 5.0538, 0.1864,
0.2213

228.9511, 0.2735,
0.2976

■ 2.2789, 0.1569,
0.1934

276.8790, 0.2759,

■ 0.7625, 0.1072,

0.2995

0.1495

331.0682, 0.2779,
0.3012

0.0000, 0.0000,
0.0000

51.3451, 0.2495,
0.2774

51.3451, 0.2495,
0.2774

45.0116, 0.2344,
0.2617

58.4424, 0.2653,
0.2921

39.4015, 0.2204,
0.2453

66.3297, 0.2812,
0.3056

34.4783, 0.2079,
0.2284

75.0388, 0.2971,
0.3179

30.1993, 0.1974,
0.2114

84.5977, 0.3126,
0.3289

26.5144, 0.1892,
0.1948

93.9714, 0.3239,
0.3389

■ 23.3603, 0.1830,
0.1789

■ 98.8923, 0.3232,
0.3464

Harmonies

Analogous

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



51.3451, 0.2457, 0.2997



51.3451, 0.2495, 0.2774



51.3451, 0.2691, 0.2696

Triad

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



51.3451, 0.2495, 0.2774



51.3451, 0.3694, 0.3218



51.3451, 0.3210, 0.3899

Complementary

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



51.3451, 0.2495, 0.2774



53.8181, 0.3952, 0.3749

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.



51.3451, 0.3555, 0.3931



51.3451, 0.2495, 0.2774



51.3451, 0.3847, 0.3516

Square

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



51.3451, 0.2495, 0.2774



51.3451, 0.3381, 0.2949



51.3451, 0.3793, 0.3780



51.3451, 0.2856, 0.3670

Rectangle

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



51.3451, 0.2495, 0.2774



51.3451, 0.2895, 0.2725



51.3451, 0.3793, 0.3780



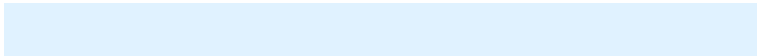
51.3451, 0.3331, 0.3933

Sweetspot

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



51.3471, 0.2495, 0.2774



86.5142, 0.2940, 0.3155



69.6613, 0.2858, 0.3995



18.2223, 0.2919, 0.3140



0.0000, 0.0000, 0.0000



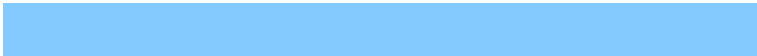
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3471, 0.2495, 0.2774



54.5017, 0.2371, 0.2647



33.6621, 0.2399, 0.2163



15.9704, 0.2981, 0.3186



13.0242, 0.1838, 0.1815



1.2133, 0.1900, 0.2038

Inverse Universe

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



41.3406, 0.3560, 0.2698



42.1987, 0.3687, 0.2582



76.0198, 0.3757, 0.4210



15.1976, 0.3204, 0.3157



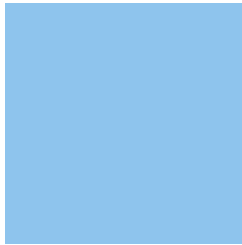
10.8076, 0.4668, 0.2345



0.8679, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 51.3451, 0.2495, 0.2774 looks on a white background.

Color Contrast Check

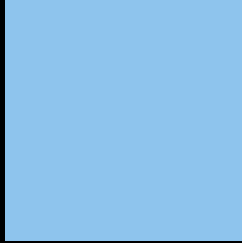
Large Text (above 18pt) WCAG AA × Fail

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 51.3451, 0.2495, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

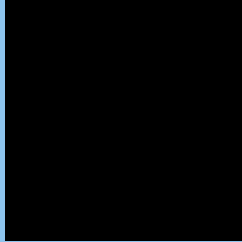
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3451, 0.2495, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 51.3451, 0.2495, 0.2774.



This preview shows how white text looks on a background with the Yxy color 51.3451, 0.2495, 0.2774.

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

51.3451, 0.2495, 0.2774

Protanopia

50.8939, 0.2754, 0.2760

Deuteranopia

51.1736, 0.2716, 0.2663



Tritanopia

51.5007, 0.2582, 0.3078

Trichromacy



Original Color

51.3451, 0.2495, 0.2774

Protanomaly

50.8171, 0.2655, 0.2762

Deuteranomaly

51.2154, 0.2632, 0.2708

Tritanomaly

51.6319, 0.2547, 0.2965

Monochromacy



Original Color

51.3451, 0.2495, 0.2774

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1898, 0.2861, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3451, 0.2495, 0.2774 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(142, 196, 237)` looks like.

```
.text, #text, p{  
    color:rgb(142, 196, 237)  
}
```

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(142, 196, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 196, 237) }
```

Border

The CSS property to change the border of an element to Yxy 51.3451, 0.2495, 0.2774 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(142, 196, 237) }
```

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

```
.border{ border-color:rgb(142, 196, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 196, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 196, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 196, 237);  
box-shadow:4px 4px 4px 4px rgb(142, 196,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3451, 0.2495, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 196, 237) }
```

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

```
.background{ background-color: rgb(142,  
196, 237) }
```

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