

Converting Colors

$Y_{xy}(57.2172, 0.2104, 0.1897)$

Have a look what the booklet for
Yxy(57.2172, 0.2104, 0.1897)
contains.

Yxy(51.1996, 0.2403, 0.2540)	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(51.1996, 0.2403, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	8FC1FF
RGB	143, 193, 255
RGB Percent	56%, 76%, 100%
CMY	0.4395, 0.2431, 0.0000
CMYK	0.44, 0.24, 0.00, 0.00
HSL	213°, 100%, 78%
HSV	213°, 44%, 100%
XYZ	48.4380, 51.1996, 101.9356
YIQ	185.1180, -49.7020, 8.6820

Conversions

Conversions Part 2

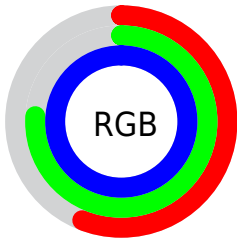
Format	Color
RYB	143, 178, 255
Decimal	9421311
CIELab	76.80, -0.62, -35.65
CIElCh	77, 35.658, 269.005
Yxy	51.1996, 0.2403, 0.2540
Android (android.graphics.Color)	4287611391 (0xFF8FC1FF)
YUV	185.1180, 34.4518, -36.9375
Hunter-Lab	71.5539, -4.3846, -34.3767

Details

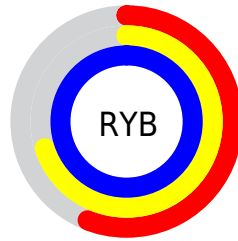
The Yxy color **51.1996, 0.2403, 0.2540** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.8619, 0.3997, 0.3930**, and the grayscale version is **48.4041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3889, 0.2806, 0.3226**, and **24.8118, 0.2225, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **43.2380, 0.2239, 0.2330**, and if you desaturate by 10%, it is **60.2768, 0.2572, 0.2738**.

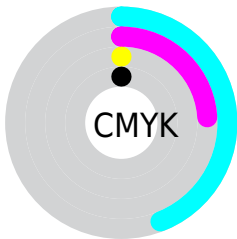
Distribution



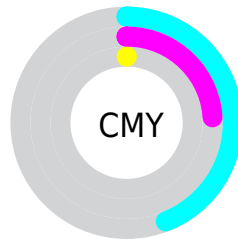
- Red (56%)
- Green (76%)
- Blue (100%)



- Red (56%)
- Yellow (70%)
- Blue (100%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1996, 0.2403, 0.2540 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 51.1996, 0.2403, 0.2540 by changing the saturation by 10% instead.

■ 51.1996, 0.2403,
0.2540

■ 51.1996, 0.2403,
0.2540

■ 391.3388, 0.2749,
0.2899

■ 36.3675, 0.2323,
0.2456

■ 91.9497, 0.2524,
0.2666

■ 24.7181, 0.2223,
0.2353

■ 118.6366, 0.2571,
0.2715

■ 15.8672, 0.2097,
0.2222

■ 150.0437, 0.2611,
0.2756

■ 9.4302, 0.1933,
0.2050

■ 186.5557, 0.2646,
0.2792

■ 5.0228, 0.1713,
0.1820

■ 228.5567, 0.2676,
0.2824

■ 2.2607, 0.1409,
0.1502

■ 276.4314, 0.2703,

■ 0.7528, 0.0975,

0.2852

0.1047

330.5639, 0.2727,
0.2876

0.0000, 0.0000,
0.0000

51.1996, 0.2403,
0.2540

51.1996, 0.2403,
0.2540

43.2380, 0.2239,
0.2330

60.2768, 0.2572,
0.2738

36.3342, 0.2087,
0.2113

70.5119, 0.2742,
0.2921

30.4328, 0.1952,
0.1895

81.9517, 0.2908,
0.3087

25.4693, 0.1840,
0.1683

94.6383, 0.3067,
0.3236

21.3679, 0.1755,
0.1483

99.9999, 0.3127,
0.3290

■ 19.2471, 0.1714,
0.1371

Harmonies

Analogous

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



51.1996, 0.2252, 0.2728



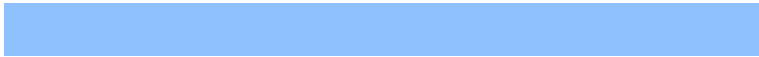
51.1996, 0.2403, 0.2540



51.1996, 0.2741, 0.2540

Triad

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



51.1996, 0.2403, 0.2540



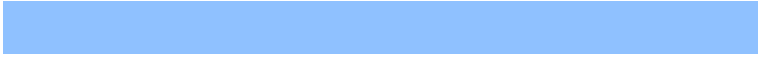
51.1996, 0.4018, 0.3375



51.1996, 0.2990, 0.3993

Complementary

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



51.1996, 0.2403, 0.2540



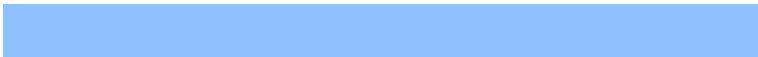
66.8619, 0.3997, 0.3930

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.



51.1996, 0.3468, 0.4166



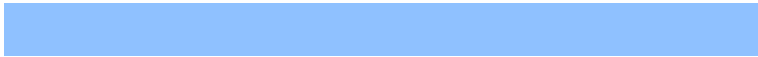
51.1996, 0.2403, 0.2540



51.1996, 0.4082, 0.3754

Square

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



51.1996, 0.2403, 0.2540



51.1996, 0.3688, 0.3003



51.1996, 0.3872, 0.4055



51.1996, 0.2570, 0.3578

Rectangle

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



51.1996, 0.2403, 0.2540



51.1996, 0.3045, 0.2635



51.1996, 0.3872, 0.4055



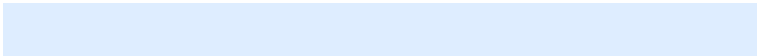
51.1996, 0.3149, 0.4083

Sweetspot

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



51.2015, 0.2403, 0.2540



83.1009, 0.2923, 0.3102



81.7400, 0.2764, 0.3893



17.2183, 0.2887, 0.3067



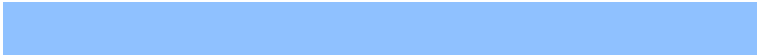
0.0000, 0.0000, 0.0000



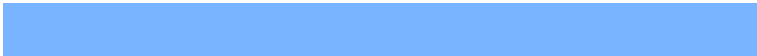
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2015, 0.2403, 0.2540



43.9470, 0.2254, 0.2351



33.1904, 0.2332, 0.1927



18.7143, 0.2979, 0.3155



10.3447, 0.1723, 0.1401



1.2214, 0.1783, 0.1619

Inverse Universe

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



44.7354, 0.3762, 0.2773



37.9625, 0.3962, 0.2676



93.7131, 0.3744, 0.4390



18.1220, 0.3224, 0.3184



11.7723, 0.5189, 0.2632



1.1678, 0.4907, 0.2477

Previews

White Background



This preview shows how the Yxy color 51.1996, 0.2403, 0.2540 looks on a white background.

Color Contrast Check

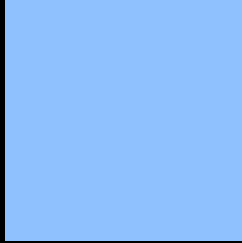
Large Text (above 18pt) WCAG AA × Fail

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 51.1996, 0.2403, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

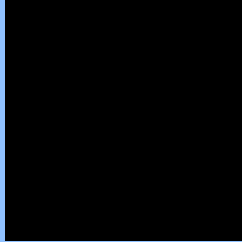
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

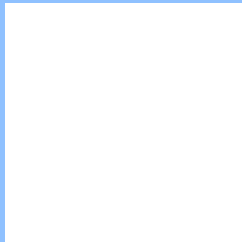
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1996, 0.2403, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 51.1996, 0.2403, 0.2540.



This preview shows how white text looks on a background with the Yxy color 51.1996, 0.2403, 0.2540.

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

51.1996, 0.2403, 0.2540

Protanopia

51.1007, 0.2585, 0.2549

Deuteranopia

50.8839, 0.2549, 0.2485



Tritanopia

51.1720, 0.2559, 0.3076

Trichromacy



Original Color

51.1996, 0.2403, 0.2540

Protanomaly

51.0005, 0.2514, 0.2541

Deuteranomaly

51.0888, 0.2492, 0.2509

Tritanomaly

50.8799, 0.2500, 0.2864

Monochromacy



Original Color

51.1996, 0.2403, 0.2540

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1656, 0.2827, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1996, 0.2403, 0.2540 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(143, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 193, 255)  
}
```

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(143, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.1996, 0.2403, 0.2540 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(143, 193, 255) }
```

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

```
.border{ border-color:rgb(143, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1996, 0.2403, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 193, 255) }
```

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

```
.background{ background-color: rgb(143,  
193, 255) }
```

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