

Converting Colors

$Yxy(53.9780, 0.2281, 0.2223)$

Have a look what the booklet for
Yxy(53.9780, 0.2281, 0.2223)
contains.

Yxy(51.7495, 0.2436, 0.2546)	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(51.7495, 0.2436, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	95C1FF
RGB	149, 193, 255
RGB Percent	58%, 76%, 100%
CMY	0.4157, 0.2431, 0.0000
CMYK	0.42, 0.24, 0.00, 0.00
HSL	215°, 100%, 79%
HSV	215°, 42%, 100%
XYZ	49.5137, 51.7495, 101.9949
YIQ	186.9120, -46.1260, 9.9540

Conversions

Conversions Part 2

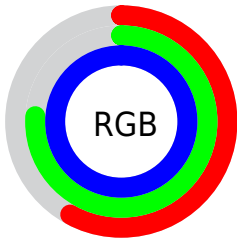
Format	Color
RYB	149, 180, 255
Decimal	9814527
CIELab	77.13, 0.89, -35.12
CIELCh	77, 35.131, 271.449
Yxy	51.7495, 0.2436, 0.2546
Android (android.graphics.Color)	4288004607 (0xFF95C1FF)
YUV	186.9120, 33.5674, -33.2488
Hunter-Lab	71.9371, -3.0301, -33.7074

Details

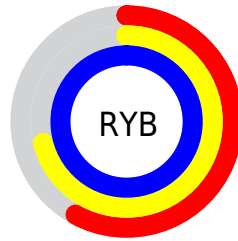
The Yxy color **51.7495, 0.2436, 0.2546** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.0107, 0.3925, 0.3928**, and the grayscale version is **49.4681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0932, 0.2834, 0.3227**, and **25.1605, 0.2267, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **43.3448, 0.2266, 0.2326**, and if you desaturate by 10%, it is **61.3466, 0.2609, 0.2752**.

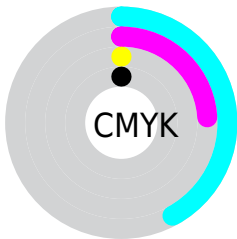
Distribution



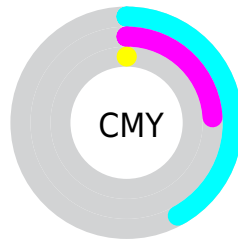
- Red (58%)
- Green (76%)
- Blue (100%)



- Red (58%)
- Yellow (71%)
- Blue (100%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7495, 0.2436, 0.2546 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 51.7495, 0.2436, 0.2546 by changing the saturation by 10% instead.

■ 51.7495, 0.2436,
0.2546

■ 51.7495, 0.2436,
0.2546

■ 393.4688, 0.2766,
0.2900

■ 36.8054, 0.2359,
0.2464

■ 92.7617, 0.2552,
0.2670

■ 25.0569, 0.2264,
0.2362

■ 119.5986, 0.2597,
0.2718

■ 16.1194, 0.2143,
0.2233

■ 151.1687, 0.2635,
0.2759

■ 9.6087, 0.1985,
0.2064

■ 187.8561, 0.2668,
0.2795

■ 5.1403, 0.1773,
0.1839

■ 230.0455, 0.2697,
0.2826

■ 2.3298, 0.1478,
0.1526

■ 278.1211, 0.2723,

■ 0.7894, 0.1057,

0.2854

0.1081

332.4674, 0.2746,
0.2879

0.0000, 0.0000,
0.0000

51.7495, 0.2436,
0.2546

51.7495, 0.2436,
0.2546

43.3448, 0.2266,
0.2326

61.3466, 0.2609,
0.2752

36.0745, 0.2106,
0.2098

72.1825, 0.2780,
0.2942

29.8804, 0.1962,
0.1868

84.3057, 0.2946,
0.3114

24.6965, 0.1841,
0.1643

97.7603, 0.3103,
0.3267

20.4462, 0.1746,
0.1434

100.0000, 0.3127,
0.3290

■ 17.5023, 0.1687,
0.1273

Harmonies

Analogous

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



51.7495, 0.2271, 0.2717



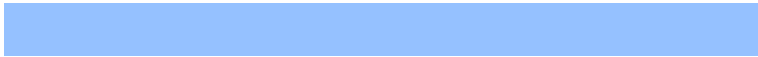
51.7495, 0.2436, 0.2546



51.7495, 0.2782, 0.2560

Triad

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



51.7495, 0.2436, 0.2546



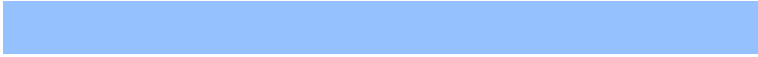
51.7495, 0.4017, 0.3405



51.7495, 0.2956, 0.3953

Complementary

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



51.7495, 0.2436, 0.2546



70.0107, 0.3925, 0.3928

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.



51.7495, 0.3425, 0.4146



51.7495, 0.2436, 0.2546



51.7495, 0.4058, 0.3775

Square

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



51.7495, 0.2436, 0.2546



51.7495, 0.3712, 0.3037



51.7495, 0.3833, 0.4059



51.7495, 0.2553, 0.3535

Rectangle

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



51.7495, 0.2436, 0.2546



51.7495, 0.3086, 0.2662



51.7495, 0.3833, 0.4059



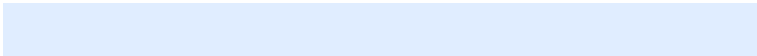
51.7495, 0.3111, 0.4049

Sweetspot

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



51.7508, 0.2436, 0.2546



83.7605, 0.2939, 0.3107



82.6032, 0.2762, 0.3810



17.5748, 0.2918, 0.3085



0.0000, 0.0000, 0.0000



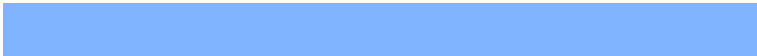
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7508, 0.2436, 0.2546



44.5900, 0.2293, 0.2362



35.9630, 0.2406, 0.2019



18.6168, 0.2979, 0.3147



9.4234, 0.1696, 0.1304



1.1271, 0.1757, 0.1526

Inverse Universe

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



46.6022, 0.3747, 0.2834



39.8814, 0.3939, 0.2747



93.3124, 0.3689, 0.4344



18.1122, 0.3229, 0.3192



11.6793, 0.5322, 0.2705



1.1583, 0.5026, 0.2542

Previews

White Background



This preview shows how the Yxy color 51.7495, 0.2436, 0.2546 looks on a white background.

Color Contrast Check

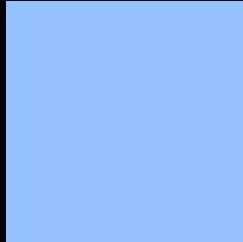
Large Text (above 18pt) WCAG AA × Fail

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 51.7495, 0.2436, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

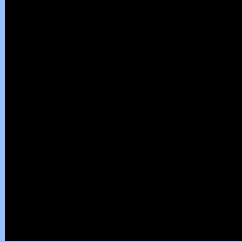
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

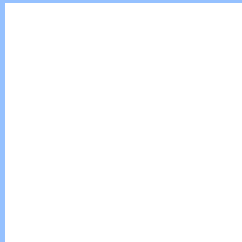
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7495, 0.2436, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 51.7495, 0.2436, 0.2546.



This preview shows how white text looks on a background with the Yxy color 51.7495, 0.2436, 0.2546.

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

51.7495, 0.2436, 0.2546

Protanopia

51.7021, 0.2587, 0.2552

Deuteranopia

51.5313, 0.2563, 0.2500



Tritanopia

51.7554, 0.2599, 0.3079

Trichromacy



Original Color

51.7495, 0.2436, 0.2546

Protanomaly

51.7477, 0.2534, 0.2556

Deuteranomaly

51.5077, 0.2516, 0.2514

Tritanomaly

51.4853, 0.2540, 0.2869

Monochromacy



Original Color

51.7495, 0.2436, 0.2546

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.0329, 0.2837, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7495, 0.2436, 0.2546 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(149, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.7495, 0.2436, 0.2546 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(149, 193, 255) }
```

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

```
.border{ border-color:rgb(149, 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(149, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7495, 0.2436, 0.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 193, 255) }
```

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

```
.background{ background-color: rgb(149,  
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