

Converting Colors

$Yxy(51.1767, 0.2331, 0.2562)$

Have a look what the booklet for
Yxy(51.1767, 0.2331, 0.2562)
contains.

Yxy(51.2119, 0.2330, 0.2563)	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(51.2119, 0.2330, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	7FC4FF
RGB	127, 196, 255
RGB Percent	50%, 77%, 100%
CMY	0.5015, 0.2314, 0.0000
CMYK	0.50, 0.23, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 50%, 100%
XYZ	46.5563, 51.2119, 102.0442
YIQ	182.0950, -60.0630, 3.7210

Conversions

Conversions Part 2

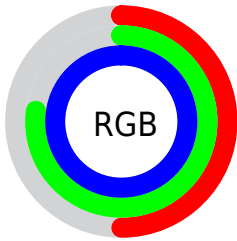
Format	Color
RYB	127, 172, 255
Decimal	8373503
CIELab	76.81, -5.89, -35.71
CIElCh	77, 36.192, 260.631
Yxy	51.2119, 0.2330, 0.2563
Android (android.graphics.Color)	4286563583 (0xFF7FC4FF)
YUV	182.0950, 35.9422, -48.3183
Hunter-Lab	71.5625, -9.1080, -34.4505

Details

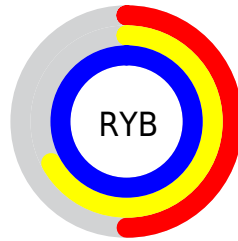
The Yxy color **51.2119, 0.2330, 0.2563** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9735, 0.4216, 0.3900**, and the grayscale version is **46.6735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2799, 0.2728, 0.3257**, and **24.5815, 0.2132, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **44.3924, 0.2186, 0.2385**, and if you desaturate by 10%, it is **58.9462, 0.2485, 0.2733**.

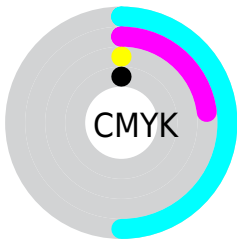
Distribution



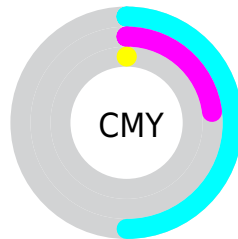
- Red (50%)
- Green (77%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2119, 0.2330, 0.2563 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 51.2119, 0.2330, 0.2563 by changing the saturation by 10% instead.

■ 51.2119, 0.2330,
0.2563

■ 51.2119, 0.2330,
0.2563

■ 391.3865, 0.2708,
0.2914

■ 36.3773, 0.2243,
0.2481

■ 91.9679, 0.2462,
0.2687

■ 24.7257, 0.2135,
0.2378

■ 118.6581, 0.2513,
0.2735

■ 15.8728, 0.1999,
0.2247

■ 150.0689, 0.2557,
0.2775

■ 9.4342, 0.1824,
0.2076

■ 186.5848, 0.2595,
0.2811

■ 5.0255, 0.1591,
0.1845

■ 228.5901, 0.2629,
0.2841

■ 2.2622, 0.1275,
0.1524

■ 276.4692, 0.2658,

■ 0.7536, 0.0809,

0.2868

0.1065

330.6065, 0.2685,
0.2892

0.0000, 0.0000,
0.0000

51.2119, 0.2330,
0.2563

51.2119, 0.2330,
0.2563

44.3924, 0.2186,
0.2385

58.9462, 0.2485,
0.2733

38.4360, 0.2057,
0.2203

67.6344, 0.2646,
0.2891

33.2904, 0.1948,
0.2021

77.3180, 0.2809,
0.3037

28.8934, 0.1862,
0.1844

88.0343, 0.2969,
0.3169

25.1997, 0.1799,
0.1677

99.8184, 0.3125,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.2119, 0.2235, 0.2808



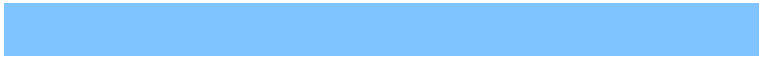
51.2119, 0.2330, 0.2563



51.2119, 0.2623, 0.2512

Triad

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



51.2119, 0.2330, 0.2563



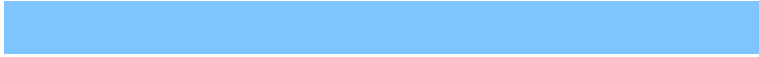
51.2119, 0.3962, 0.3266



51.2119, 0.3122, 0.4084

Complementary

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



51.2119, 0.2330, 0.2563



57.9735, 0.4216, 0.3900

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.



51.2119, 0.3600, 0.4174



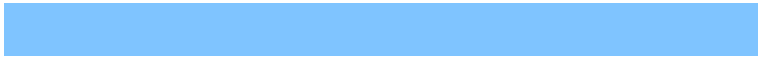
51.2119, 0.2330, 0.2563



51.2119, 0.4108, 0.3656

Square

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



51.2119, 0.2330, 0.2563



51.2119, 0.3569, 0.2905



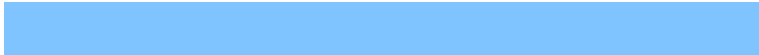
51.2119, 0.3967, 0.3994



51.2119, 0.2668, 0.3716

Rectangle

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



51.2119, 0.2330, 0.2563



51.2119, 0.2909, 0.2577



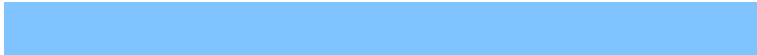
51.2119, 0.3967, 0.3994



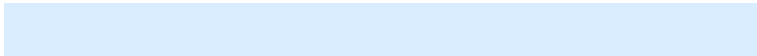
51.2119, 0.3286, 0.4148

Sweetspot

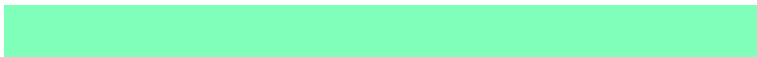
The Sweet Spot groups the original color and five complimentary colors.



51.2133, 0.2330, 0.2563



82.7027, 0.2892, 0.3107



79.5304, 0.2787, 0.4163



17.2226, 0.2858, 0.3079



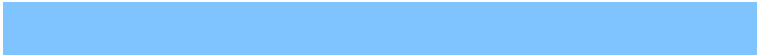
0.0000, 0.0000, 0.0000



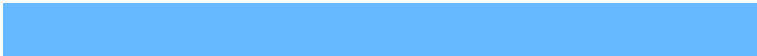
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2133, 0.2330, 0.2563



44.4864, 0.2188, 0.2388



28.6590, 0.2175, 0.1767



18.9981, 0.2979, 0.3178



13.4697, 0.1807, 0.1704



1.5302, 0.1861, 0.1899

Inverse Universe

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



40.4557, 0.3765, 0.2590



34.2397, 0.3957, 0.2477



90.3037, 0.3892, 0.4459



18.1507, 0.3209, 0.3163



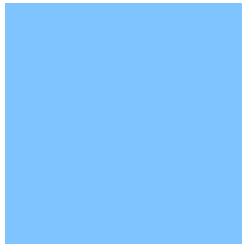
12.0877, 0.4801, 0.2419



1.1990, 0.4569, 0.2291

Previews

White Background



This preview shows how the Yxy color 51.2119, 0.2330, 0.2563 looks on a white background.

Color Contrast Check

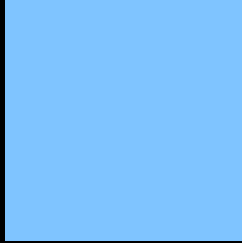
Large Text (above 18pt) WCAG AA × Fail

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 51.2119, 0.2330, 0.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

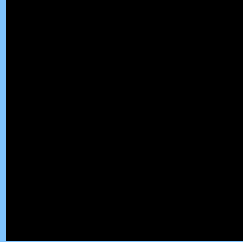
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

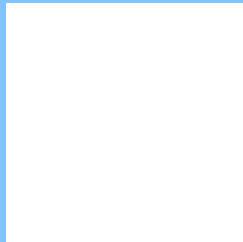
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2119, 0.2330, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 51.2119, 0.2330, 0.2563.



This preview shows how white text looks on a background with the Yxy color 51.2119, 0.2330, 0.2563.

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

51.2119, 0.2330, 0.2563

Protanopia

50.6658, 0.2601, 0.2558

Deuteranopia

50.7728, 0.2542, 0.2484



Tritanopia

51.4712, 0.2461, 0.3074

Trichromacy



Original Color

51.2119, 0.2330, 0.2563

Protanomaly

50.8599, 0.2491, 0.2557

Deuteranomaly

50.9169, 0.2459, 0.2514

Tritanomaly

51.0567, 0.2408, 0.2871

Monochromacy



Original Color

51.2119, 0.2330, 0.2563

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8255, 0.2775, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2119, 0.2330, 0.2563 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(127, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 196, 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(127, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.2119, 0.2330, 0.2563 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(127, 196, 255) }
```

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

```
.border{ border-color:rgb(127, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2119, 0.2330, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 196, 255) }
```

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

```
.background{ background-color: rgb(127,  
196, 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](#).

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