

Converting Colors

$Y_{xy}(50.8862, 0.2108, 0.2622)$

Have a look what the booklet for
Yxy(50.8862, 0.2108, 0.2622)
contains.

Yxy(51.1095, 0.2109, 0.2629)	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(51.1095, 0.2109, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	33CCFF
RGB	51, 204, 255
RGB Percent	20%, 80%, 100%
CMY	0.8005, 0.1999, 0.0001
CMYK	0.80, 0.20, 0.00, 0.00
HSL	195°, 100%, 60%
HSV	195°, 80%, 100%
XYZ	41.0004, 51.1095, 102.2968
YIQ	164.0670, -107.5590, -16.5750

Conversions

Conversions Part 2

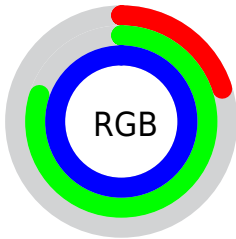
Format	Color
R _Y B	51, 138, 255
Decimal	3394815
CIE Lab	76.75, -21.97, -35.98
CIE LCh	77, 42.156, 238.587
Yxy	51.1095, 0.2109, 0.2629
Android (android.graphics.Color)	4281584895 (0xFF33CCFF)
YUV	164.0670, 44.8300, -99.1598
Hunter-Lab	71.4909, -22.7385, -34.7948

Details

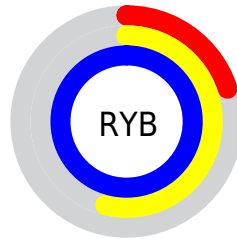
The Yxy color **51.1095, 0.2109, 0.2629** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.9669, 0.5532, 0.3679**, and the grayscale version is **36.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **25.8899, 0.2023, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **47.6566, 0.2052, 0.2535**, and if you desaturate by 10%, it is **55.0519, 0.2187, 0.2723**.

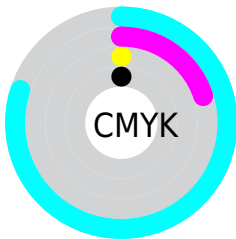
Distribution



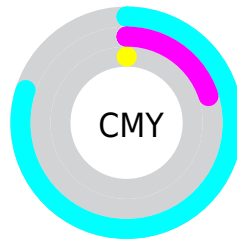
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1095, 0.2109, 0.2629 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 51.1095, 0.2109, 0.2629 by changing the saturation by 10% instead.

 51.1095, 0.2109,
0.2629


 51.1095, 0.2109,
0.2629


390.9891, 0.2584,
0.2959


 36.2958, 0.2002,
0.2549


 91.8166, 0.2273,
0.2748

 24.6627, 0.1871,
0.2448


 118.4788, 0.2337,
0.2793

 15.8259, 0.1709,
0.2318


 149.8592, 0.2393,
0.2831

 9.4011, 0.1503,
0.2146

 186.3423, 0.2441,
0.2864

 5.0037, 0.1240,
0.1909

228.3124, 0.2483,
0.2892

 2.2494, 0.0901,
0.1575

276.1540, 0.2521,

 0.7467, 0.0259,

0.2918

0.1113

330.2514, 0.2554,
0.2940

■ 0.0000, 0.0000,
0.0000

■ 51.1095, 0.2109,
0.2629

■ 51.1095, 0.2109,
0.2629

■ 47.6566, 0.2052,
0.2535

■ 55.0519, 0.2187,
0.2723

■ 44.6153, 0.2012,
0.2443

■ 59.5319, 0.2284,
0.2817

■ 64.5963, 0.2398,
0.2908

■ 70.2844, 0.2528,
0.2996

■ 76.6318, 0.2669,
0.3078

■ 83.6709, 0.2818,
0.3155

■ 91.4317, 0.2971,
0.3226

99.9422, 0.3126,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



51.1095, 0.2175, 0.3063



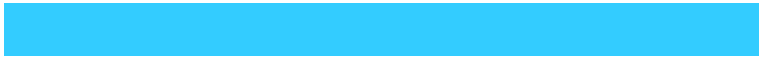
51.1095, 0.2109, 0.2629



51.1095, 0.2278, 0.2416

Triad

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



51.1095, 0.2109, 0.2629



51.1095, 0.3783, 0.2946



51.1095, 0.3526, 0.4333

Complementary

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



51.1095, 0.2109, 0.2629



30.9669, 0.5532, 0.3679

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.



51.1095, 0.4003, 0.4179



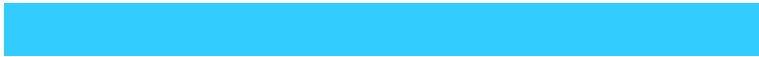
51.1095, 0.2109, 0.2629



51.1095, 0.4179, 0.3371

Square

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



51.1095, 0.2109, 0.2629



51.1095, 0.3211, 0.2609



51.1095, 0.4255, 0.3813



51.1095, 0.2966, 0.4141

Rectangle

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



51.1095, 0.2109, 0.2629



51.1095, 0.2514, 0.2395



51.1095, 0.4255, 0.3813



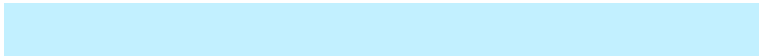
51.1095, 0.3702, 0.4315

Sweetspot

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



51.1113, 0.2109, 0.2629



80.8166, 0.2758, 0.3125



73.1011, 0.2889, 0.5369



16.7652, 0.2705, 0.3098



0.0000, 0.0000, 0.0000



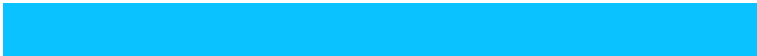
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1113, 0.2109, 0.2629



45.8108, 0.2027, 0.2480



18.0844, 0.1757, 0.1298



19.6679, 0.2980, 0.3229



23.5652, 0.2016, 0.2458



2.4674, 0.2046, 0.2564

Inverse Universe

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



27.9737, 0.3781, 0.1984



25.3706, 0.3941, 0.1957



63.0604, 0.4548, 0.4581



18.2183, 0.3176, 0.3113



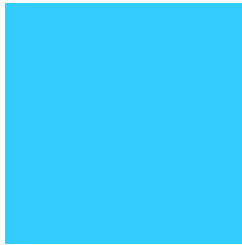
13.1069, 0.3964, 0.1957



1.2936, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 51.1095, 0.2109, 0.2629 looks on a white background.

Color Contrast Check

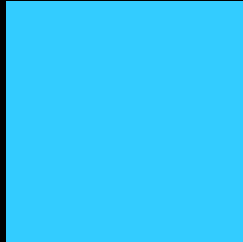
Large Text (above 18pt) WCAG AA × Fail

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 51.1095, 0.2109, 0.2629 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

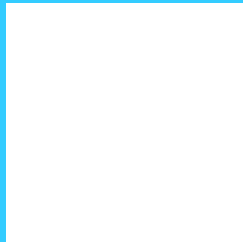
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1095, 0.2109, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 51.1095, 0.2109, 0.2629.

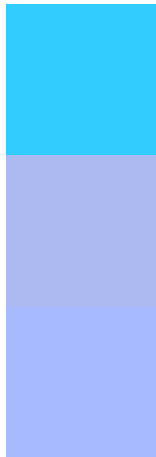


This preview shows how white text looks on a background with the Yxy color 51.1095, 0.2109, 0.2629.

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

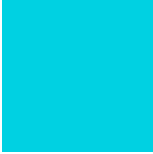
51.1095, 0.2109, 0.2629

Protanopia

50.3529, 0.2649, 0.2632

Deuteranopia

50.5533, 0.2530, 0.2481



Tritanopia

51.0919, 0.2181, 0.3050

Trichromacy



Original Color

51.1095, 0.2109, 0.2629



Protanomaly

49.4609, 0.2373, 0.2623



Deuteranomaly

49.7199, 0.2312, 0.2523



Tritanomaly

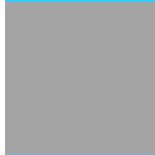
50.8687, 0.2142, 0.2879

Monochromacy



Original Color

51.1095, 0.2109, 0.2629



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.4824, 0.2571, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1095, 0.2109, 0.2629 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(51, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 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(51, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.1095, 0.2109, 0.2629 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(51, 204, 255) }
```

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

```
.border{ border-color:rgb(51, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1095, 0.2109, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 255) }
```

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

```
.background{ background-color: rgb(51, 204,  
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