

Converting Colors

$Yxy(48.0926, 0.2086, 0.2539)$

Have a look what the booklet for
Yxy(48.0926, 0.2086, 0.2539)
contains.

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Color

Yxy(48.3120, 0.2087, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	33C6FF
RGB	51, 198, 255
RGB Percent	20%, 78%, 100%
CMY	0.8006, 0.2235, 0.0000
CMYK	0.80, 0.22, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 80%, 100%
XYZ	39.6022, 48.3120, 101.8423
YIQ	160.5450, -105.9090, -13.4370

Conversions

Conversions Part 2

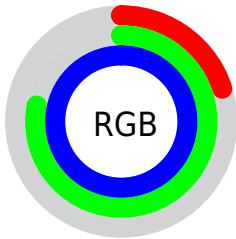
Format	Color
R _{YB}	51, 136, 255
Decimal	3393279
CIE _{Lab}	75.02, -18.89, -38.66
CIE _{LCh}	75, 43.026, 243.965
Y _{xy}	48.3120, 0.2087, 0.2546
Android (android.graphics.Color)	4281583359 (0xFF33C6FF)
Y _{UV}	160.5450, 46.5663, -96.0710
Hunter-Lab	69.5068, -19.9349, -38.2177

Details

The Yxy color **48.3120, 0.2087, 0.2546** 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 **32.1853, 0.5473, 0.3734**, and the grayscale version is **35.2161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **24.0237, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **44.6470, 0.2026, 0.2440**, and if you desaturate by 10%, it is **52.4955, 0.2169, 0.2653**.

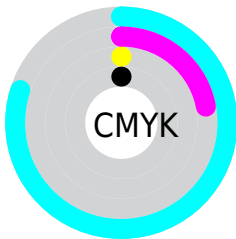
Distribution



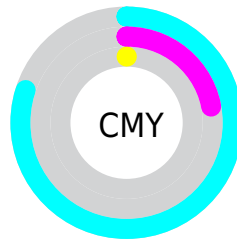
- Red (20%)
- Green (78%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3120, 0.2087, 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 48.3120, 0.2087, 0.2546 by changing the saturation by 10% instead.


 48.3120, 0.2087,
0.2546


 48.3120, 0.2087,
0.2546


380.0275, 0.2576,
0.2917


 34.0740, 0.1976,
0.2457


 87.6688, 0.2256,
0.2679


 22.9505, 0.1841,
0.2345


 113.5563, 0.2322,
0.2729

 14.5569, 0.1673,
0.2201


 144.0959, 0.2379,
0.2772

 8.5090, 0.1460,
0.2011

 179.6719, 0.2429,
0.2809

 4.4224, 0.1187,
0.1753

220.6686, 0.2472,
0.2841

 1.9125, 0.0840,
0.1395

267.4705, 0.2511,

 0.5559, 0.0106,

0.2869

0.0876

320.4620, 0.2545,
0.2894

■ 0.0000, 0.0000,
0.0000

■ 48.3120, 0.2087,
0.2546

■ 48.3120, 0.2087,
0.2546

■ 44.6470, 0.2026,
0.2440

■ 52.4955, 0.2169,
0.2653

■ 41.4271, 0.1982,
0.2336

■ 57.2464, 0.2270,
0.2758

■ 62.6120, 0.2389,
0.2861

■ 68.6323, 0.2522,
0.2960

■ 75.3434, 0.2666,
0.3053

■ 82.7782, 0.2817,
0.3139

■ 90.9672, 0.2971,
0.3218

99.9391, 0.3126,
0.3290

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



48.3120, 0.2110, 0.2955



48.3120, 0.2087, 0.2546



48.3120, 0.2303, 0.2369

Triad

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



48.3120, 0.2087, 0.2546



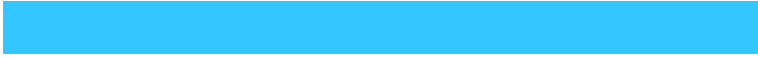
48.3120, 0.3902, 0.3007



48.3120, 0.3436, 0.4370

Complementary

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



48.3120, 0.2087, 0.2546



32.1853, 0.5473, 0.3734

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.



48.3120, 0.3959, 0.4262



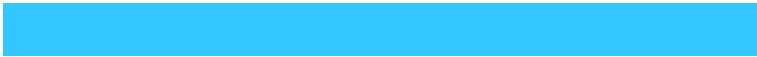
48.3120, 0.2087, 0.2546



48.3120, 0.4262, 0.3454

Square

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



48.3120, 0.2087, 0.2546



48.3120, 0.3324, 0.2638



48.3120, 0.4274, 0.3905



48.3120, 0.2857, 0.4103

Rectangle

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



48.3120, 0.2087, 0.2546



48.3120, 0.2571, 0.2374



48.3120, 0.4274, 0.3905



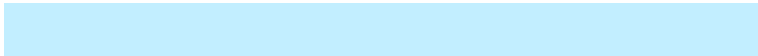
48.3120, 0.3624, 0.4372

Sweetspot

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



48.3137, 0.2087, 0.2546



79.7642, 0.2757, 0.3106



73.2436, 0.2867, 0.5292



16.5099, 0.2703, 0.3075



0.0000, 0.0000, 0.0000



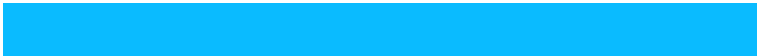
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3137, 0.2087, 0.2546



42.6873, 0.1999, 0.2378



16.7444, 0.1737, 0.1221



19.5739, 0.2980, 0.3222



21.9118, 0.1987, 0.2354



2.3179, 0.2020, 0.2473

Inverse Universe

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



27.6910, 0.3860, 0.2032



25.0552, 0.4044, 0.2015



66.2977, 0.4490, 0.4634



18.2088, 0.3181, 0.3120



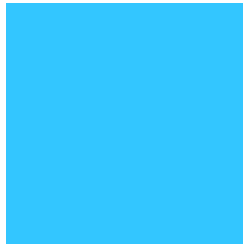
12.9400, 0.4071, 0.2016



1.2785, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 48.3120, 0.2087, 0.2546 looks on a white background.

Color Contrast Check

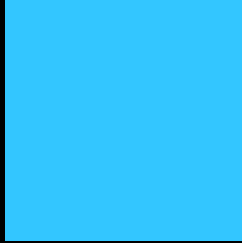
Large Text (above 18pt) WCAG AA × Fail

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 48.3120, 0.2087, 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

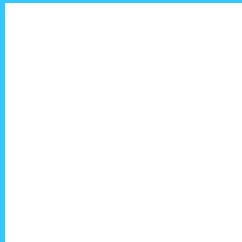
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3120, 0.2087, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 48.3120, 0.2087, 0.2546.



This preview shows how white text looks on a background with the Yxy color 48.3120, 0.2087, 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

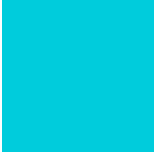
48.3120, 0.2087, 0.2546

Protanopia

47.5655, 0.2589, 0.2551

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.3530, 0.2183, 0.3059

Trichromacy



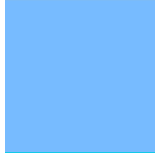
Original Color

48.3120, 0.2087, 0.2546



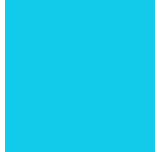
Protanomaly

46.5411, 0.2328, 0.2528



Deuteranomaly

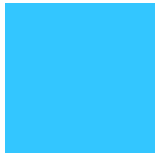
46.6826, 0.2268, 0.2438



Tritanomaly

48.2528, 0.2137, 0.2858

Monochromacy



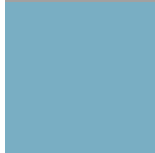
Original Color

48.3120, 0.2087, 0.2546



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.2772, 0.2559, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3120, 0.2087, 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(51, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 198, 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, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.3120, 0.2087, 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(51, 198, 255) }
```

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

```
.border{ border-color:rgb(51, 198, 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, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3120, 0.2087, 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(51, 198, 255) }
```

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

```
.background{ background-color: rgb(51, 198,  
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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