

Converting Colors

$Y_{xy}(52.7991, 0.2109, 0.2681)$

Have a look what the booklet for
Yxy(52.7991, 0.2109, 0.2681)
contains.

Yxy(52.8240, 0.2110, 0.2681)	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(52.8240, 0.2110, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	2AD0FF
RGB	42, 208, 255
RGB Percent	16%, 82%, 100%
CMY	0.8340, 0.1844, 0.0000
CMYK	0.83, 0.18, 0.00, 0.00
HSL	193°, 100%, 58%
HSV	193°, 83%, 100%
XYZ	41.5735, 52.8240, 102.6334
YIQ	163.7240, -114.0230, -20.5750

Conversions

Conversions Part 2

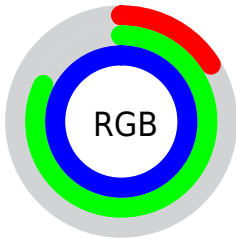
Format	Color
R _Y B	42, 135, 255
Decimal	2806015
CIE Lab	77.77, -24.64, -34.42
CIE LCh	78, 42.334, 234.405
Yxy	52.8240, 0.2110, 0.2681
Android (android.graphics.Color)	4280996095 (0xFF2AD0FF)
YUV	163.7240, 44.9991, -106.7519
Hunter-Lab	72.6801, -25.0870, -32.8488

Details

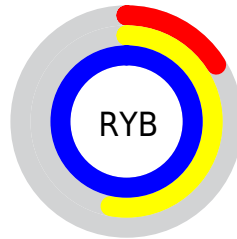
The Yxy color **52.8240, 0.2110, 0.2681** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.6333, 0.5711, 0.3612**, and the grayscale version is **36.8557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **26.8597, 0.2038, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.7424, 0.2063, 0.2600**, and if you desaturate by 10%, it is **56.3458, 0.2177, 0.2764**.

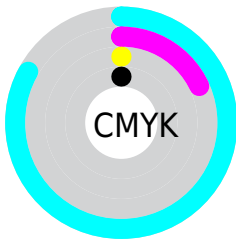
Distribution



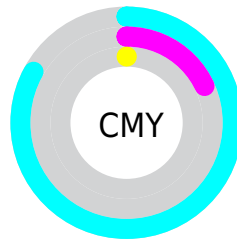
- Red (16%)
- Green (82%)
- Blue (100%)



- Red (16%)
- Yellow (53%)
- Blue (100%)



- Cyan (83%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8240, 0.2110, 0.2681 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 52.8240, 0.2110, 0.2681 by changing the saturation by 10% instead.

 52.8240, 0.2110,
0.2681

 52.8240, 0.2110,
0.2681


397.6095, 0.2582,
0.2987


 37.6623, 0.2004,
0.2607


 94.3453, 0.2273,
0.2791


 25.7207, 0.1875,
0.2513


 121.4737, 0.2336,
0.2833

 16.6148, 0.1715,
0.2391

 153.3599, 0.2391,
0.2868

 9.9602, 0.1512,
0.2229

 190.3880, 0.2439,
0.2899

 5.3726, 0.1253,
0.2005

232.9427, 0.2481,
0.2925

 2.4675, 0.0919,
0.1686

281.4082, 0.2519,

 0.8603, 0.0313,

0.2948

0.1245

336.1690, 0.2552,
0.2969

0.0000, 0.0000,
0.0000

52.8240, 0.2110,
0.2681

52.8240, 0.2110,
0.2681

49.7424, 0.2063,
0.2600

56.3458, 0.2177,
0.2764

47.8947, 0.2041,
0.2546

60.3640, 0.2263,
0.2846

64.9259, 0.2368,
0.2927

70.0720, 0.2490,
0.3005

75.8387, 0.2624,
0.3079

■ 82.2588, 0.2769,
0.3148

■ 89.3627, 0.2920,
0.3213

■ 97.1786, 0.3074,
0.3271

■ 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.



52.8240, 0.2209, 0.3139



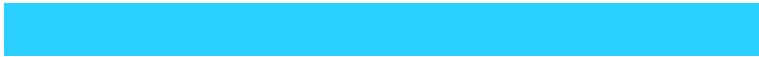
52.8240, 0.2110, 0.2681



52.8240, 0.2246, 0.2437

Triad

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



52.8240, 0.2110, 0.2681



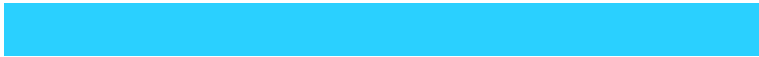
52.8240, 0.3705, 0.2895



52.8240, 0.3598, 0.4323

Complementary

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



52.8240, 0.2110, 0.2681



28.6333, 0.5711, 0.3612

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.



52.8240, 0.4049, 0.4132



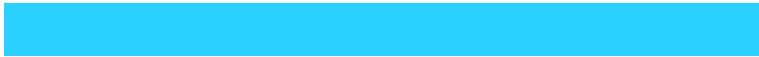
52.8240, 0.2110, 0.2681



52.8240, 0.4134, 0.3310

Square

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



52.8240, 0.2110, 0.2681



52.8240, 0.3130, 0.2577



52.8240, 0.4258, 0.3751



52.8240, 0.3044, 0.4183

Rectangle

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



52.8240, 0.2110, 0.2681



52.8240, 0.2461, 0.2397



52.8240, 0.4258, 0.3751



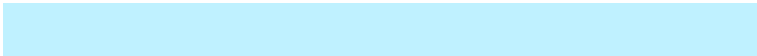
52.8240, 0.3767, 0.4290

Sweetspot

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



52.8242, 0.2110, 0.2681



81.1840, 0.2745, 0.3138



72.7309, 0.2905, 0.5486



16.8857, 0.2694, 0.3113



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.



52.8242, 0.2110, 0.2681



47.8947, 0.2041, 0.2546



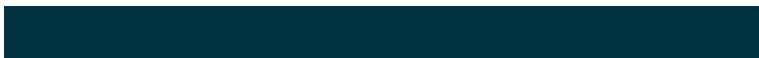
17.3391, 0.1728, 0.1258



19.7599, 0.2980, 0.3236



25.2577, 0.2044, 0.2560



2.6193, 0.2070, 0.2653

Inverse Universe

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



27.4934, 0.3736, 0.1921



25.3661, 0.3877, 0.1909



60.3461, 0.4626, 0.4568



18.2276, 0.3172, 0.3107



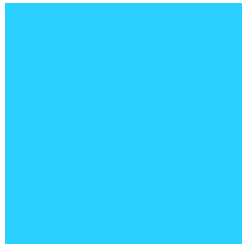
13.2777, 0.3863, 0.1902



1.3090, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 52.8240, 0.2110, 0.2681 looks on a white background.

Color Contrast Check

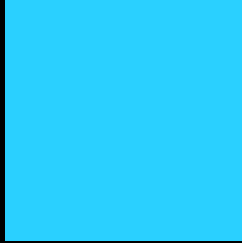
Large Text (above 18pt) WCAG AA × Fail

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 52.8240, 0.2110, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

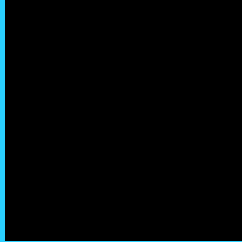
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8240, 0.2110, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 52.8240, 0.2110, 0.2681.



This preview shows how white text looks on a background with the Yxy color 52.8240, 0.2110, 0.2681.

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

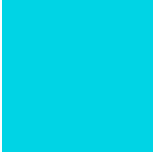
52.8240, 0.2110, 0.2681

Protanopia

52.2110, 0.2687, 0.2675

Deuteranopia

51.9571, 0.2565, 0.2512



Tritanopia

52.7441, 0.2182, 0.3053

Trichromacy



Original Color

52.8240, 0.2110, 0.2681



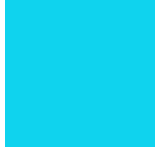
Protanomaly

50.8008, 0.2381, 0.2662



Deuteranomaly

50.6102, 0.2318, 0.2549



Tritanomaly

52.8631, 0.2153, 0.2923

Monochromacy



Original Color

52.8240, 0.2110, 0.2681



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.6668, 0.2554, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8240, 0.2110, 0.2681 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(42, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 208, 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(42, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.8240, 0.2110, 0.2681 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(42, 208, 255) }
```

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

```
.border{ border-color:rgb(42, 208, 255) }
```

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

Here you see how a box with a 4 pixel rgb(42, 208, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8240, 0.2110, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 208, 255) }
```

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

```
.background{ background-color: rgb(42, 208,  
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