

Converting Colors

$Y_{xy}(52.0737, 0.2120, 0.2833)$

Have a look what the booklet for
Yxy(52.0737, 0.2120, 0.2833)
contains.

Yxy(52.0720, 0.2120, 0.2832)	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(52.0720, 0.2120, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	00D1F3
RGB	0, 209, 243
RGB Percent	0%, 82%, 95%
CMY	1.0000, 0.1804, 0.0469
CMYK	1.00, 0.14, 0.00, 0.05
HSL	188°, 100%, 48%
HSV	188°, 100%, 95%
XYZ	38.9805, 52.0720, 92.8176
YIQ	150.3850, -135.4780, -33.7340

Conversions

Conversions Part 2

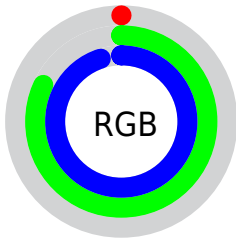
Format	Color
RYB	0, 112, 243
Decimal	53747
CIELab	77.32, -30.77, -28.73
CIELCh	77, 42.103, 223.035
Yxy	52.0720, 0.2120, 0.2832
Android (android.graphics.Color)	4278243827 (0xFF00D1F3)
YUV	150.3850, 45.6592, -131.8876
Hunter-Lab	72.1609, -29.8581, -25.7496

Details

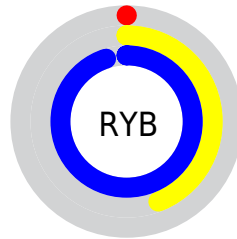
The Yxy color **52.0720, 0.2120, 0.2832** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.2071, 0.6292, 0.3386**, and the grayscale version is **30.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **26.6991, 0.2088, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **52.0747, 0.2120, 0.2832**, and if you desaturate by 10%, it is **53.9606, 0.2147, 0.2881**.

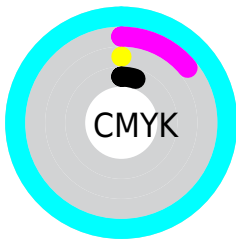
Distribution



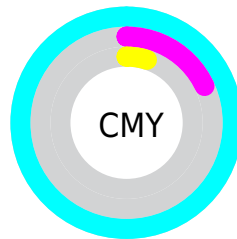
- Red (0%)
- Green (82%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (18%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0720, 0.2120, 0.2832 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 52.0720, 0.2120, 0.2832 by changing the saturation by 10% instead.


 52.0720, 0.2120,
0.2832


 52.0720, 0.2120,
0.2832


 394.7145, 0.2590,
0.3070

 37.0625, 0.2014,
0.2772


 93.2374, 0.2283,
0.2920

 25.2559, 0.1883,
0.2694


 120.1621, 0.2346,
0.2952


 16.2678, 0.1721,
0.2592


 151.8273, 0.2401,
0.2980

 9.7138, 0.1514,
0.2451

 188.6173, 0.2449,
0.3003

 5.2096, 0.1246,
0.2250

 230.9167, 0.2491,
0.3023

 2.3708, 0.0898,
0.1947

 279.1098, 0.2528,

 0.8108, 0.0037,

0.3041

0.1532

333.5809, 0.2561,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 52.0720, 0.2120,
0.2832

■ 52.0720, 0.2120,
0.2832

■ 52.0747, 0.2120,
0.2832

■ 53.9606, 0.2147,
0.2881

■ 56.1299, 0.2190,
0.2931

■ 58.6596, 0.2252,
0.2981

■ 61.5962, 0.2333,
0.3031

■ 64.9784, 0.2434,
0.3080

■ 68.8402, 0.2550,
0.3127

■ 73.2121, 0.2681,
0.3172

■ 78.1220, 0.2823,
0.3215

■ 83.5956, 0.2973,
0.3254

Harmonies

Analogous

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



52.0720, 0.2309, 0.3354



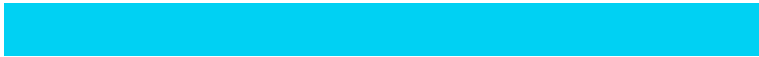
52.0720, 0.2120, 0.2832



52.0720, 0.2168, 0.2504

Triad

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



52.0720, 0.2120, 0.2832



52.0720, 0.3493, 0.2760



52.0720, 0.3789, 0.4282

Complementary

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



52.0720, 0.2120, 0.2832



20.2071, 0.6292, 0.3386

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.



52.0720, 0.4162, 0.4001



52.0720, 0.2120, 0.2832



52.0720, 0.4001, 0.3146

Square

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



52.0720, 0.2120, 0.2832



52.0720, 0.2915, 0.2494



52.0720, 0.4251, 0.3585



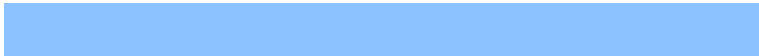
52.0720, 0.3256, 0.4279

Rectangle

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



52.0720, 0.2120, 0.2832



52.0720, 0.2328, 0.2409



52.0720, 0.4251, 0.3585



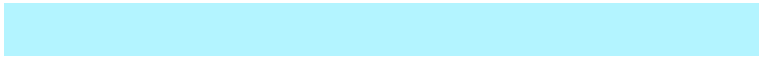
52.0720, 0.3938, 0.4213

Sweetspot

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



52.0747, 0.2120, 0.2832



81.6185, 0.2680, 0.3172



64.2290, 0.2975, 0.5912



17.0136, 0.2623, 0.3153



0.0000, 0.0000, 0.0000



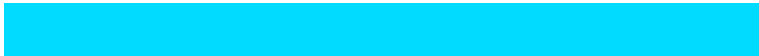
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0747, 0.2120, 0.2832



58.0345, 0.2120, 0.2831



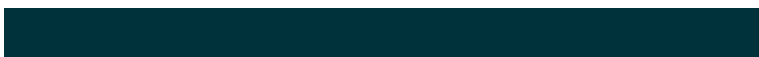
13.6368, 0.1650, 0.1138



18.3389, 0.2981, 0.3256



28.7215, 0.2122, 0.2840



2.6309, 0.2139, 0.2902

Inverse Universe

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



23.6645, 0.3605, 0.1760



26.3898, 0.3606, 0.1760



42.1467, 0.5041, 0.4379



16.7260, 0.3159, 0.3089



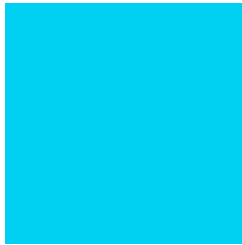
12.9988, 0.3598, 0.1756



1.1532, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 52.0720, 0.2120, 0.2832 looks on a white background.

Color Contrast Check

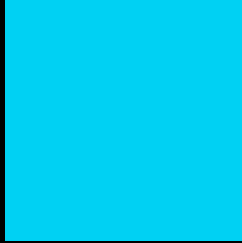
Large Text (above 18pt) WCAG AA × Fail

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 52.0720, 0.2120, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

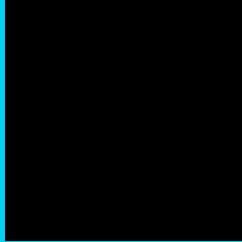
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0720, 0.2120, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 52.0720, 0.2120, 0.2832.

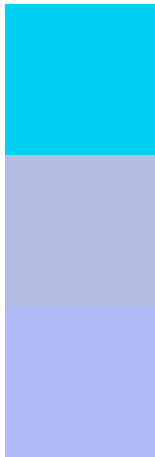


This preview shows how white text looks on a background with the Yxy color 52.0720, 0.2120, 0.2832.

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

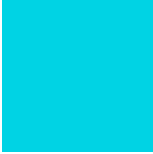
52.0720, 0.2120, 0.2832

Protanopia

51.3916, 0.2788, 0.2807

Deuteranopia

51.1252, 0.2628, 0.2563



Tritanopia

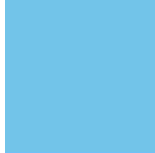
52.1900, 0.2181, 0.3052

Trichromacy



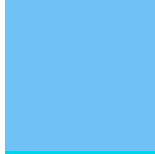
Original Color

52.0720, 0.2120, 0.2832



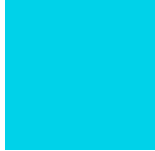
Protanomaly

49.0079, 0.2374, 0.2802



Deuteranomaly

48.6821, 0.2295, 0.2623



Tritanomaly

51.9764, 0.2159, 0.2972

Monochromacy



Original Color

52.0720, 0.2120, 0.2832



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.0194, 0.2459, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0720, 0.2120, 0.2832 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(0, 209, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 243)  
}
```

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(0, 209, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 243) }
```

Border

The CSS property to change the border of an element to Yxy 52.0720, 0.2120, 0.2832 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(0, 209, 243) }
```

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

```
.border{ border-color:rgb(0, 209, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0720, 0.2120, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 243) }
```

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

```
.background{ background-color: rgb(0, 209,  
243) }
```

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