

Converting Colors

$Y_{xy}(52.6181, 0.2108, 0.2788)$

Have a look what the booklet for
Yxy(52.6181, 0.2108, 0.2788)
contains.

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Color

Yxy(52.8086, 0.2111, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	01D2F7
RGB	1, 210, 247
RGB Percent	0%, 82%, 97%
CMY	0.9965, 0.1765, 0.0314
CMYK	1.00, 0.15, 0.00, 0.03
HSL	189°, 99%, 49%
HSV	189°, 100%, 97%
XYZ	39.8424, 52.8086, 96.0860
YIQ	151.7270, -136.4410, -32.8010

Conversions

Conversions Part 2

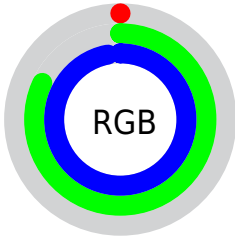
Format	Color
R _Y B	1, 114, 247
Decimal	119543
CIE Lab	77.76, -29.94, -30.18
CIE LCh	78, 42.513, 225.222
Yxy	52.8086, 0.2111, 0.2798
Android (android.graphics.Color)	4278309623 (0xFF01D2F7)
YUV	151.7270, 46.9696, -132.1876
Hunter-Lab	72.6695, -29.3058, -27.5265

Details

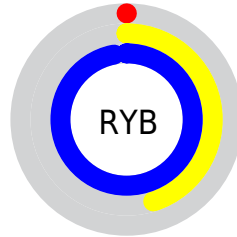
The Yxy color **52.8086, 0.2111, 0.2798** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.1559, 0.6273, 0.3398**, and the grayscale version is **31.0981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **27.2043, 0.2076, 0.2673** is the 20% darker color. If you saturate the color by 10%, you get **52.7378, 0.2110, 0.2796**, and if you desaturate by 10%, it is **54.8743, 0.2139, 0.2851**.

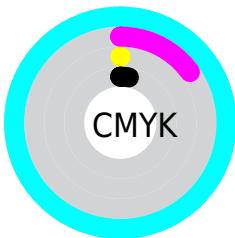
Distribution



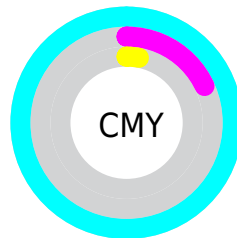
- Red (0%)
- Green (82%)
- Blue (97%)



- Red (0%)
- Yellow (45%)
- Blue (97%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8086, 0.2111, 0.2798 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 52.8086, 0.2111, 0.2798 by changing the saturation by 10% instead.


 52.8086, 0.2111,
0.2798


 52.8086, 0.2111,
0.2798

 397.5504, 0.2584,
0.3051

 37.6500, 0.2005,
0.2734


 94.3227, 0.2274,
0.2891


 25.7112, 0.1874,
0.2653


 121.4469, 0.2338,
0.2925


 16.6077, 0.1712,
0.2547


 153.3285, 0.2393,
0.2955

 9.9552, 0.1507,
0.2402

 190.3518, 0.2441,
0.2980

 5.3692, 0.1243,
0.2196

 232.9013, 0.2483,
0.3001

 2.4655, 0.0900,
0.1891

 281.3613, 0.2520,

 0.8593, 0.0147,

0.3020

0.1470

336.1162, 0.2554,
0.3037

■ 0.0000, 0.0000,
0.0000

■ 52.8086, 0.2111,
0.2798

■ 52.8086, 0.2111,
0.2798

■ 52.7378, 0.2110,
0.2796

■ 54.8743, 0.2139,
0.2851

■ 57.2438, 0.2184,
0.2905

■ 59.9951, 0.2248,
0.2959

■ 63.1761, 0.2332,
0.3013

■ 66.8271, 0.2434,
0.3066

■ 70.9834, 0.2553,
0.3117

■ 75.6765, 0.2685,
0.3165

■ 80.9355, 0.2828,
0.3211

■ 86.7871, 0.2978,
0.3253

Harmonies

Analogous

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



52.8086, 0.2283, 0.3312



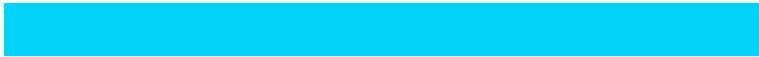
52.8086, 0.2111, 0.2798



52.8086, 0.2177, 0.2485

Triad

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



52.8086, 0.2111, 0.2798



52.8086, 0.3536, 0.2782



52.8086, 0.3756, 0.4299

Complementary

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



52.8086, 0.2111, 0.2798



21.1559, 0.6273, 0.3398

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.



52.8086, 0.4148, 0.4031



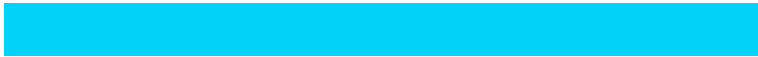
52.8086, 0.2111, 0.2798



52.8086, 0.4034, 0.3176

Square

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



52.8086, 0.2111, 0.2798



52.8086, 0.2955, 0.2505



52.8086, 0.4262, 0.3618



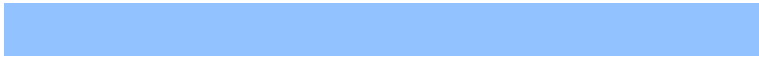
52.8086, 0.3215, 0.4270

Rectangle

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



52.8086, 0.2111, 0.2798



52.8086, 0.2348, 0.2400



52.8086, 0.4262, 0.3618



52.8086, 0.3911, 0.4235

Sweetspot

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



52.8105, 0.2111, 0.2798



81.1432, 0.2679, 0.3163



66.6647, 0.2970, 0.5889



16.8986, 0.2622, 0.3143



0.0000, 0.0000, 0.0000



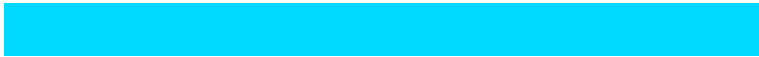
21.4041, 0.3127, 0.3290

Same Dimension

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



52.8105, 0.2111, 0.2798



56.6685, 0.2110, 0.2795



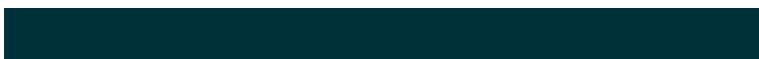
13.5431, 0.1639, 0.1098



18.3083, 0.2980, 0.3253



28.0595, 0.2113, 0.2805



2.5789, 0.2131, 0.2872

Inverse Universe

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



24.4461, 0.3636, 0.1778



26.2519, 0.3639, 0.1778



45.2179, 0.4990, 0.4417



16.7229, 0.3161, 0.3091



12.9320, 0.3630, 0.1773



1.1480, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 52.8086, 0.2111, 0.2798 looks on a white background.

Color Contrast Check

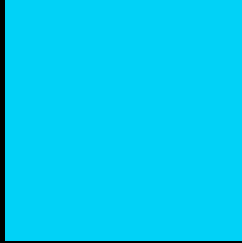
Large Text (above 18pt) WCAG AA × Fail

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 52.8086, 0.2111, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

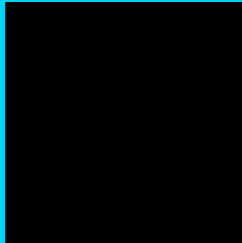
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8086, 0.2111, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 52.8086, 0.2111, 0.2798.

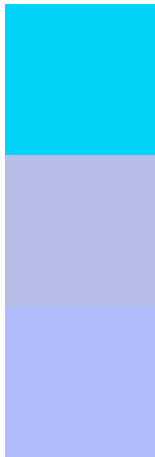


This preview shows how white text looks on a background with the Yxy color 52.8086, 0.2111, 0.2798.

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

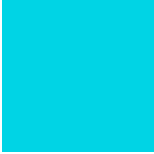
52.8150, 0.2111, 0.2798

Protanopia

52.0451, 0.2763, 0.2775

Deuteranopia

52.2248, 0.2607, 0.2547



Tritanopia

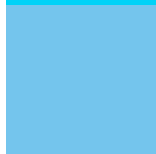
52.7441, 0.2182, 0.3053

Trichromacy



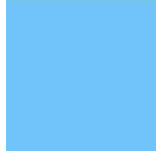
Original Color

52.8150, 0.2111, 0.2798



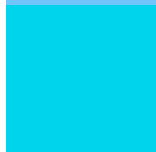
Protanomaly

49.7599, 0.2363, 0.2769



Deuteranomaly

49.8267, 0.2284, 0.2605



Tritanomaly

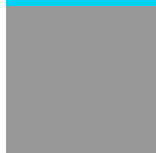
52.6447, 0.2152, 0.2948

Monochromacy



Original Color

52.8150, 0.2111, 0.2798



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.0164, 0.2459, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8086, 0.2111, 0.2798 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(1, 210, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 247)  
}
```

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(1, 210, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 247) }
```

Border

The CSS property to change the border of an element to Yxy 52.8086, 0.2111, 0.2798 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(1, 210, 247) }
```

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

```
.border{ border-color:rgb(1, 210, 247) }
```

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

Here you see how a box with a 4 pixel rgb(1, 210, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8086, 0.2111, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 247) }
```

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

```
.background{ background-color: rgb(1, 210,  
247) }
```

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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