

Converting Colors

$Y_{xy}(52.0076, 0.2230, 0.2890)$

Have a look what the booklet for
Yxy(52.0076, 0.2230, 0.2890)
contains.

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Color

Yxy(52.0797, 0.2229, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	47CFED
RGB	71, 207, 237
RGB Percent	28%, 81%, 93%
CMY	0.7217, 0.1882, 0.0706
CMYK	0.70, 0.13, 0.00, 0.07
HSL	191°, 82%, 60%
HSV	191°, 70%, 93%
XYZ	40.1959, 52.0797, 88.0558
YIQ	169.7560, -90.6860, -19.5020

Conversions

Conversions Part 2

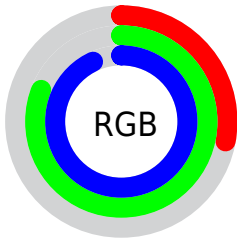
Format	Color
RYB	71, 146, 237
Decimal	4706285
CIELab	77.33, -26.97, -25.42
CIElCh	77, 37.067, 223.307
Yxy	52.0797, 0.2229, 0.2888
Android (android.graphics.Color)	4282896365 (0xFF47CFED)
YUV	169.7560, 33.1513, -86.6090
Hunter-Lab	72.1663, -26.8683, -21.8281

Details

The Yxy color **52.0797, 0.2229, 0.2888** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.7624, 0.5243, 0.3575**, and the grayscale version is **39.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **25.7927, 0.2104, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **49.3068, 0.2161, 0.2822**, and if you desaturate by 10%, it is **55.2618, 0.2316, 0.2954**.

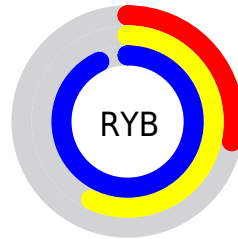
Distribution



Red (28%)

Green (81%)

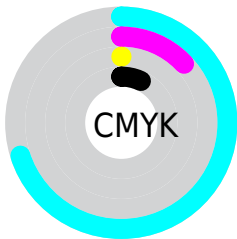
Blue (93%)



Red (28%)

Yellow (57%)

Blue (93%)

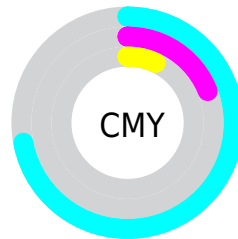


Cyan (70%)

Magenta (13%)

Yellow (0%)

Black (7%)



Cyan (72%)


Magenta (19%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0797, 0.2229, 0.2888 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 52.0797, 0.2229, 0.2888 by changing the saturation by 10% instead.


 52.0797, 0.2229,
0.2888


 52.0797, 0.2229,
0.2888


394.7442, 0.2652,
0.3096

 37.0686, 0.2132,
0.2835


 93.2488, 0.2376,
0.2965


 25.2606, 0.2012,
0.2767


 120.1755, 0.2433,
0.2993

 16.2713, 0.1862,
0.2677


 151.8430, 0.2483,
0.3017

 9.7164, 0.1668,
0.2552

 188.6355, 0.2525,
0.3038

 5.2113, 0.1412,
0.2371

230.9375, 0.2563,
0.3055

 2.3718, 0.1066,
0.2093

279.1333, 0.2596,

 0.8113, 0.0236,

0.3071

0.1699

333.6075, 0.2625,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 52.0797, 0.2229,
0.2888

■ 52.0797, 0.2229,
0.2888

■ 49.3068, 0.2161,
0.2822

■ 55.2618, 0.2316,
0.2954

■ 46.8937, 0.2113,
0.2756

■ 58.8843, 0.2422,
0.3018

■ 44.7787, 0.2081,
0.2692


■ 62.9811, 0.2543,
0.3079

■ 67.5812, 0.2677,
0.3138

■ 72.7110, 0.2821,
0.3193

 78.3950, 0.2972,
0.3244

 84.6558, 0.3126,
0.3290

 90.4410, 0.3244,
0.3332

 93.0098, 0.3240,
0.3373

Harmonies

Analogous

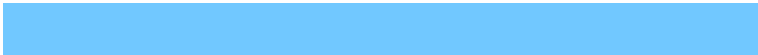
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0797, 0.2399, 0.3346



52.0797, 0.2229, 0.2888



52.0797, 0.2274, 0.2592

Triad

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



52.0797, 0.2229, 0.2888



52.0797, 0.3456, 0.2821



52.0797, 0.3714, 0.4167

Complementary

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



52.0797, 0.2229, 0.2888



27.7624, 0.5243, 0.3575

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.



52.0797, 0.4042, 0.3932



52.0797, 0.2229, 0.2888



52.0797, 0.3899, 0.3170

Square

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



52.0797, 0.2229, 0.2888



52.0797, 0.2947, 0.2580



52.0797, 0.4117, 0.3565



52.0797, 0.3243, 0.4151

Rectangle

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



52.0797, 0.2229, 0.2888



52.0797, 0.2419, 0.2505



52.0797, 0.4117, 0.3565



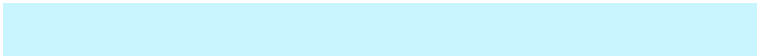
52.0797, 0.3845, 0.4111

Sweetspot

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



52.0816, 0.2229, 0.2888



85.2013, 0.2806, 0.3187



62.8030, 0.2929, 0.5238



17.8674, 0.2766, 0.3172



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.



52.0816, 0.2229, 0.2888



56.9519, 0.2138, 0.2794



22.4570, 0.1938, 0.1715



16.6320, 0.2981, 0.3246



24.6241, 0.2084, 0.2703



2.0542, 0.2109, 0.2793

Inverse Universe

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



27.0140, 0.3532, 0.1970



27.8054, 0.3632, 0.1855



51.7770, 0.4480, 0.4400



15.2643, 0.3165, 0.3099



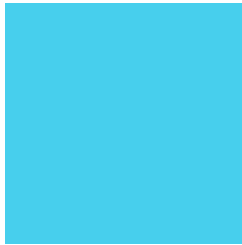
11.9786, 0.3726, 0.1826



0.9528, 0.3641, 0.1780

Previews

White Background



This preview shows how the Yxy color 52.0797, 0.2229, 0.2888 looks on a white background.

Color Contrast Check

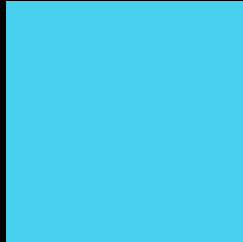
Large Text (above 18pt) WCAG AA × Fail

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 52.0797, 0.2229, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

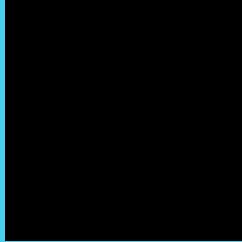
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0797, 0.2229, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 52.0797, 0.2229, 0.2888.

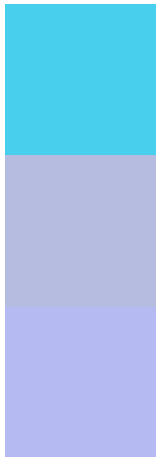


This preview shows how white text looks on a background with the Yxy color 52.0797, 0.2229, 0.2888.

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

52.0797, 0.2229, 0.2888

Protanopia

51.2933, 0.2822, 0.2853

Deuteranopia

51.3524, 0.2698, 0.2632



Tritanopia

52.1819, 0.2262, 0.3055

Trichromacy



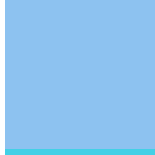
Original Color

52.0797, 0.2229, 0.2888



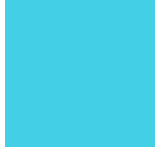
Protanomaly

50.4381, 0.2535, 0.2854



Deuteranomaly

50.5376, 0.2469, 0.2713



Tritanomaly

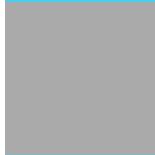
52.0182, 0.2250, 0.2989

Monochromacy



Original Color

52.0797, 0.2229, 0.2888



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.8303, 0.2670, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0797, 0.2229, 0.2888 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(71, 207, 237)` looks like.

```
.text, #text, p{  
    color:rgb(71, 207, 237)  
}
```

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(71, 207, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 207, 237) }
```

Border

The CSS property to change the border of an element to Yxy 52.0797, 0.2229, 0.2888 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(71, 207, 237) }
```

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

```
.border{ border-color:rgb(71, 207, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 207, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 207, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 207, 237);  
box-shadow:4px 4px 4px 4px rgb(71, 207,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0797, 0.2229, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 207, 237) }
```

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

```
.background{ background-color: rgb(71, 207,  
237) }
```

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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