

Converting Colors

$Y_{xy}(52.0881, 0.2287, 0.2978)$

Have a look what the booklet for
Yxy(52.0881, 0.2287, 0.2978)
contains.

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Color

Yxy(52.0881, 0.2287, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	51CFE6
RGB	81, 207, 230
RGB Percent	32%, 81%, 90%
CMY	0.6816, 0.1883, 0.0980
CMYK	0.65, 0.10, 0.00, 0.10
HSL	189°, 75%, 61%
HSV	189°, 65%, 90%
XYZ	40.0018, 52.0881, 82.8197
YIQ	171.9480, -82.4790, -19.5590

Conversions

Conversions Part 2

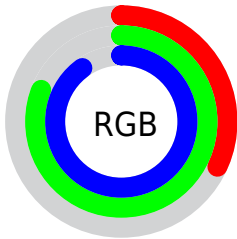
Format	Color
R _Y B	81, 149, 230
Decimal	5361638
CIE Lab	77.33, -27.60, -21.65
CIE LCh	77, 35.076, 218.108
Yxy	52.0881, 0.2287, 0.2978
Android (android.graphics.Color)	4283551718 (0xFF51CFE6)
YUV	171.9480, 28.6196, -79.7614
Hunter-Lab	72.1721, -27.3664, -17.5167

Details

The Yxy color **52.0881, 0.2287, 0.2978** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.3662, 0.5045, 0.3531**, and the grayscale version is **41.1361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **25.5125, 0.2136, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **49.5324, 0.2212, 0.2922**, and if you desaturate by 10%, it is **55.0308, 0.2381, 0.3033**.

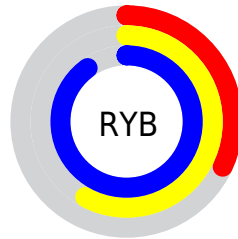
Distribution



Red (32%)

Green (81%)

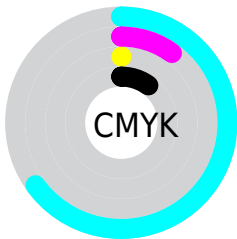
Blue (90%)



Red (32%)

Yellow (58%)

Blue (90%)

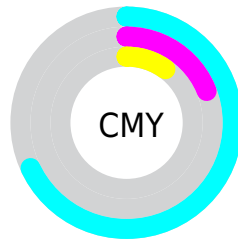


Cyan (65%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (68%)


Magenta (19%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0881, 0.2287, 0.2978 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 52.0881, 0.2287, 0.2978 by changing the saturation by 10% instead.


 52.0881, 0.2287,
0.2978


 52.0881, 0.2287,
0.2978


394.7766, 0.2684,
0.3142

 37.0753, 0.2195,
0.2935


 93.2612, 0.2426,
0.3039


 25.2658, 0.2081,
0.2880


 120.1902, 0.2480,
0.3062

 16.2752, 0.1937,
0.2806


 151.8601, 0.2526,
0.3080

 9.7191, 0.1750,
0.2702

 188.6553, 0.2566,
0.3097

 5.2131, 0.1499,
0.2548

230.9602, 0.2601,
0.3110

 2.3728, 0.1154,
0.2303

279.1591, 0.2632,

 0.8119, 0.0237,

0.3122

0.1964

333.6364, 0.2660,
0.3133

■ 0.0000, 0.0000,
0.0000

■ 52.0881, 0.2287,
0.2978

■ 52.0881, 0.2287,
0.2978

■ 49.5324, 0.2212,
0.2922

■ 55.0308, 0.2381,
0.3033

■ 47.3213, 0.2157,
0.2867

■ 58.3862, 0.2492,
0.3086

■ 45.4122, 0.2121,
0.2812

■ 62.1843, 0.2618,
0.3137

■ 44.4862, 0.2107,
0.2783

■ 66.4505, 0.2755,
0.3186

■ 71.2081, 0.2902,
0.3231

■ 76.4789, 0.3054,
0.3272

■ 82.2831, 0.3209,
0.3309

■ 86.6546, 0.3294,
0.3344

■ 88.7185, 0.3291,
0.3379

Harmonies

Analogous

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



52.0881, 0.2485, 0.3428



52.0881, 0.2287, 0.2978



52.0881, 0.2294, 0.2665

Triad

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



52.0881, 0.2287, 0.2978



52.0881, 0.3356, 0.2796



52.0881, 0.3752, 0.4097

Complementary

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



52.0881, 0.2287, 0.2978



27.3662, 0.5045, 0.3531

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.



52.0881, 0.4025, 0.3848



52.0881, 0.2287, 0.2978



52.0881, 0.3796, 0.3115

Square

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



52.0881, 0.2287, 0.2978



52.0881, 0.2879, 0.2589



52.0881, 0.4047, 0.3490



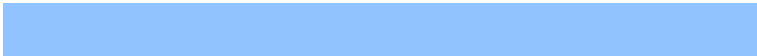
52.0881, 0.3321, 0.4125

Rectangle

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



52.0881, 0.2287, 0.2978



52.0881, 0.2411, 0.2558



52.0881, 0.4047, 0.3490



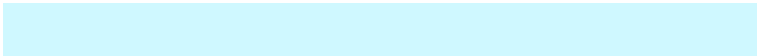
52.0881, 0.3866, 0.4033

Sweetspot

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



52.0900, 0.2287, 0.2978



87.2501, 0.2837, 0.3211



59.3497, 0.2943, 0.5110



18.3083, 0.2795, 0.3198



0.0000, 0.0000, 0.0000



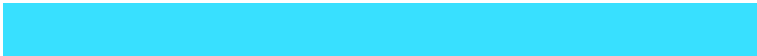
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0900, 0.2287, 0.2978



61.4941, 0.2190, 0.2902



24.3218, 0.2031, 0.1891



15.9364, 0.2981, 0.3253



25.3285, 0.2109, 0.2792



1.9746, 0.2131, 0.2872

Inverse Universe

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



27.2420, 0.3448, 0.2004



29.4919, 0.3530, 0.1854



49.2333, 0.4391, 0.4320



14.5749, 0.3161, 0.3094



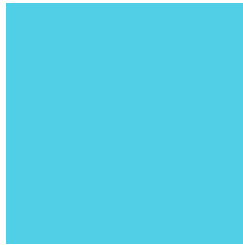
11.7546, 0.3642, 0.1780



0.8790, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 52.0881, 0.2287, 0.2978 looks on a white background.

Color Contrast Check

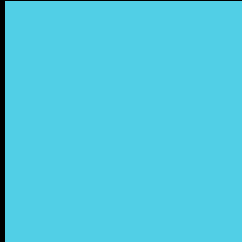
Large Text (above 18pt) WCAG AA × Fail

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 52.0881, 0.2287, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

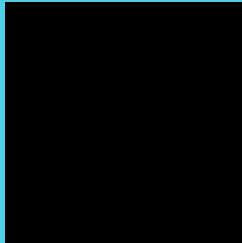
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0881, 0.2287, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 52.0881, 0.2287, 0.2978.



This preview shows how white text looks on a background with the Yxy color 52.0881, 0.2287, 0.2978.

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

52.0881, 0.2287, 0.2978

Protanopia

51.2905, 0.2892, 0.2936

Deuteranopia

51.4303, 0.2770, 0.2710



Tritanopia

52.1677, 0.2302, 0.3056

Trichromacy



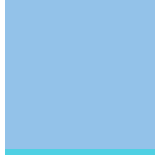
Original Color

52.0881, 0.2287, 0.2978



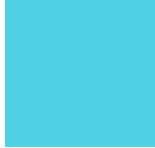
Protanomaly

50.5072, 0.2605, 0.2941



Deuteranomaly

50.6698, 0.2541, 0.2797



Tritanomaly

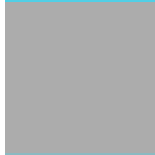
52.3201, 0.2296, 0.3030

Monochromacy



Original Color

52.0881, 0.2287, 0.2978



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.0371, 0.2714, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0881, 0.2287, 0.2978 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(81, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(81, 207, 230)  
}
```

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(81, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 207, 230) }
```

Border

The CSS property to change the border of an element to Yxy 52.0881, 0.2287, 0.2978 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(81, 207, 230) }
```

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

```
.border{ border-color:rgb(81, 207, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 207, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(81, 207,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0881, 0.2287, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 207, 230) }
```

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

```
.background{ background-color: rgb(81, 207,  
230) }
```

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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