

Converting Colors

$Yxy(52.0117, 0.2229, 0.2946)$

Have a look what the booklet for
Yxy(52.0117, 0.2229, 0.2946)
contains.

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Color

Yxy(52.0849, 0.2231, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	40D0E9
RGB	64, 208, 233
RGB Percent	25%, 82%, 91%
CMY	0.7482, 0.1844, 0.0862
CMYK	0.72, 0.11, 0.00, 0.09
HSL	189°, 79%, 58%
HSV	189°, 72%, 91%
XYZ	39.3903, 52.0849, 85.0838
YIQ	167.7940, -93.8490, -22.7530

Conversions

Conversions Part 2

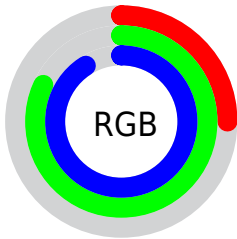
Format	Color
RYB	64, 142, 233
Decimal	4247785
CIELab	77.33, -29.51, -23.30
CIELCh	77, 37.599, 218.291
Yxy	52.0849, 0.2231, 0.2950
Android (android.graphics.Color)	4282437865 (0xFF40D0E9)
YUV	167.7940, 32.1466, -91.0273
Hunter-Lab	72.1699, -28.8720, -19.3803

Details

The Yxy color **52.0849, 0.2231, 0.2950** 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 **24.8861, 0.5394, 0.3520**, and the grayscale version is **38.9553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **25.9568, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **49.7925, 0.2172, 0.2897**, and if you desaturate by 10%, it is **54.7443, 0.2309, 0.3003**.

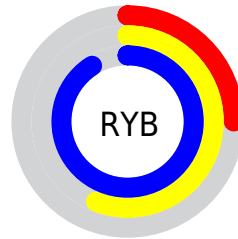
Distribution



Red (25%)

Green (82%)

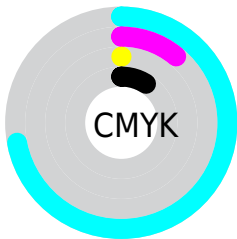
Blue (91%)



Red (25%)

Yellow (56%)

Blue (91%)

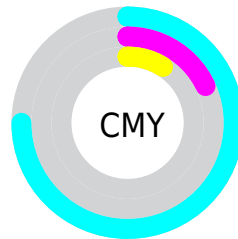


Cyan (72%)

Magenta (11%)

Yellow (0%)

Black (9%)



Cyan (75%)


Magenta (18%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0849, 0.2231, 0.2950 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 52.0849, 0.2231, 0.2950 by changing the saturation by 10% instead.


 52.0849, 0.2231,
0.2950


 52.0849, 0.2231,
0.2950


394.7643, 0.2653,
0.3129


 37.0728, 0.2134,
0.2904


 93.2564, 0.2378,
0.3017

 25.2638, 0.2014,
0.2843


 120.1846, 0.2435,
0.3041

 16.2737, 0.1863,
0.2763


 151.8536, 0.2485,
0.3062

 9.7181, 0.1668,
0.2650

 188.6478, 0.2527,
0.3079

 5.2124, 0.1409,
0.2484

230.9515, 0.2565,
0.3094

 2.3724, 0.1060,
0.2223

279.1493, 0.2598,

 0.8117, 0.0117,

0.3108

0.1865

333.6254, 0.2627,
0.3119

■ 0.0000, 0.0000,
0.0000

■ 52.0849, 0.2231,
0.2950

■ 52.0849, 0.2231,
0.2950

■ 49.7925, 0.2172,
0.2897

■ 54.7443, 0.2309,
0.3003

■ 47.8175, 0.2133,
0.2844

■ 57.8012, 0.2406,
0.3055

■ 46.4848, 0.2113,
0.2805

■ 61.2893, 0.2520,
0.3106

■ 65.2368, 0.2648,
0.3154

■ 69.6692, 0.2788,
0.3200

■ 74.6104, 0.2936,
0.3242

■ 80.0822, 0.3089,
0.3281

■ 86.1053, 0.3245,
0.3316

■ 88.9299, 0.3271,
0.3350

Harmonies

Analogous

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



52.0849, 0.2439, 0.3433



52.0849, 0.2231, 0.2950



52.0849, 0.2240, 0.2619

Triad

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



52.0849, 0.2231, 0.2950



52.0849, 0.3374, 0.2765



52.0849, 0.3791, 0.4154

Complementary

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



52.0849, 0.2231, 0.2950



24.8861, 0.5394, 0.3520

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.



52.0849, 0.4087, 0.3883



52.0849, 0.2231, 0.2950



52.0849, 0.3847, 0.3104

Square

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



52.0849, 0.2231, 0.2950



52.0849, 0.2864, 0.2545



52.0849, 0.4115, 0.3501



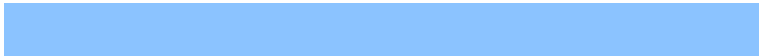
52.0849, 0.3328, 0.4188

Rectangle

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



52.0849, 0.2231, 0.2950



52.0849, 0.2364, 0.2509



52.0849, 0.4115, 0.3501



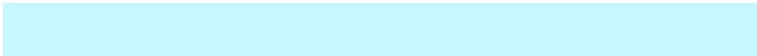
52.0849, 0.3914, 0.4084

Sweetspot

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



52.0868, 0.2231, 0.2950



85.6744, 0.2793, 0.3201



60.0711, 0.2948, 0.5370



18.0064, 0.2754, 0.3189



0.0000, 0.0000, 0.0000



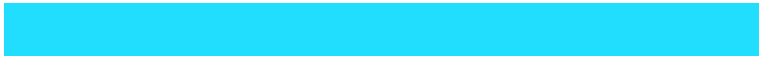
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0868, 0.2231, 0.2950



59.8405, 0.2150, 0.2871



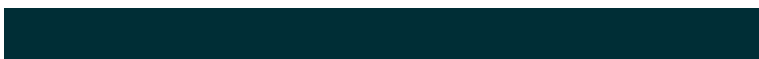
21.9313, 0.1925, 0.1736



16.7190, 0.2981, 0.3254



26.5152, 0.2115, 0.2813



2.1856, 0.2135, 0.2886

Inverse Universe

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



25.5716, 0.3481, 0.1901



27.6352, 0.3565, 0.1792



46.8732, 0.4577, 0.4367



15.2731, 0.3161, 0.3092



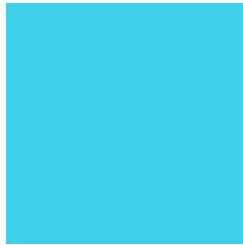
12.1695, 0.3623, 0.1769



0.9661, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 52.0849, 0.2231, 0.2950 looks on a white background.

Color Contrast Check

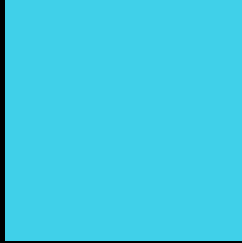
Large Text (above 18pt) WCAG AA × Fail

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 52.0849, 0.2231, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

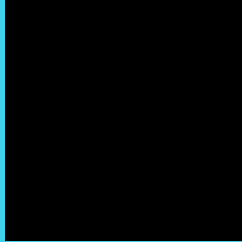
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0849, 0.2231, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 52.0849, 0.2231, 0.2950.



This preview shows how white text looks on a background with the Yxy color 52.0849, 0.2231, 0.2950.

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

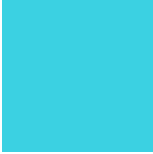
52.0849, 0.2231, 0.2950

Protanopia

51.3241, 0.2864, 0.2901

Deuteranopia

51.3581, 0.2737, 0.2676



Tritanopia

52.0217, 0.2250, 0.3054

Trichromacy



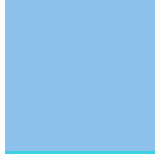
Original Color

52.0849, 0.2231, 0.2950



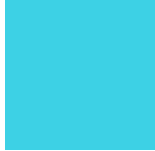
Protanomaly

50.0419, 0.2546, 0.2900



Deuteranomaly

50.2152, 0.2484, 0.2757



Tritanomaly

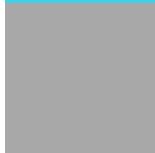
52.2502, 0.2243, 0.3015

Monochromacy



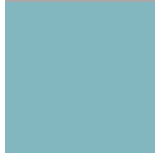
Original Color

52.0849, 0.2231, 0.2950



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.4186, 0.2656, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0849, 0.2231, 0.2950 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(64, 208, 233)` looks like.

```
.text, #text, p{  
    color:rgb(64, 208, 233)  
}
```

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(64, 208, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 208, 233) }
```

Border

The CSS property to change the border of an element to Yxy 52.0849, 0.2231, 0.2950 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(64, 208, 233) }
```

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

```
.border{ border-color:rgb(64, 208, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 208, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 208, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 208, 233);  
box-shadow:4px 4px 4px 4px rgb(64, 208,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0849, 0.2231, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 208, 233) }
```

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

```
.background{ background-color: rgb(64, 208,  
233) }
```

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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