

Converting Colors

$Yxy(53.1310, 0.2239, 0.2875)$

Have a look what the booklet for
Yxy(53.1310, 0.2239, 0.2875)
contains.

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Color

Yxy(52.9808, 0.2237, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	4DD0F0
RGB	77, 208, 240
RGB Percent	30%, 82%, 94%
CMY	0.6983, 0.1843, 0.0589
CMYK	0.68, 0.13, 0.00, 0.06
HSL	192°, 84%, 62%
HSV	192°, 68%, 94%
XYZ	41.3387, 52.9808, 90.4758
YIQ	172.4790, -88.3480, -17.8200

Conversions

Conversions Part 2

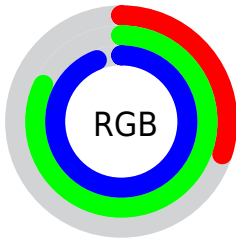
Format	Color
RYB	77, 150, 240
Decimal	5099760
CIELab	77.86, -25.76, -26.19
CIELCh	78, 36.735, 225.482
Yxy	52.9808, 0.2237, 0.2867
Android (android.graphics.Color)	4283289840 (0xFF4DD0F0)
YUV	172.4790, 33.2879, -83.7351
Hunter-Lab	72.7879, -26.0027, -22.7462

Details

The Yxy color **52.9808, 0.2237, 0.2867** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.9772, 0.5133, 0.3601**, and the grayscale version is **41.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **26.2432, 0.2096, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **49.9014, 0.2163, 0.2795**, and if you desaturate by 10%, it is **56.5000, 0.2330, 0.2938**.

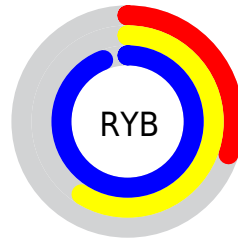
Distribution



Red (30%)

Green (82%)

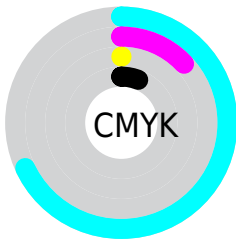
Blue (94%)



Red (30%)

Yellow (59%)

Blue (94%)

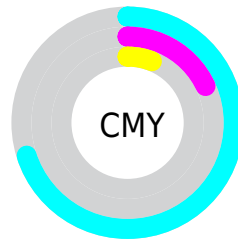


Cyan (68%)

Magenta (13%)

Yellow (0%)

Black (6%)



Cyan (70%)

Magenta (18%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9808, 0.2237, 0.2867 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 52.9808, 0.2237, 0.2867 by changing the saturation by 10% instead.

■ 52.9808, 0.2237,
0.2867

■ 52.9808, 0.2237,
0.2867

■ 398.2115, 0.2655,
0.3084

■ 37.7874, 0.2141,
0.2812

■ 94.5761, 0.2382,
0.2946

■ 25.8178, 0.2024,
0.2743

■ 121.7469, 0.2439,
0.2976

■ 16.6874, 0.1876,
0.2650

■ 153.6789, 0.2487,
0.3001

■ 10.0118, 0.1686,
0.2524

■ 190.7565, 0.2530,
0.3023

■ 5.4068, 0.1435,
0.2342

■ 233.3642, 0.2567,
0.3041

■ 2.4879, 0.1097,
0.2066

■ 281.8863, 0.2599,

■ 0.8706, 0.0380,

0.3057

0.1666

336.7073, 0.2629,
0.3072

■ 0.0000, 0.0000,
0.0000

■ 52.9808, 0.2237,
0.2867

■ 52.9808, 0.2237,
0.2867

■ 49.9014, 0.2163,
0.2795

■ 56.5000, 0.2330,
0.2938

■ 47.2128, 0.2109,
0.2723

■ 60.4902, 0.2441,
0.3008

■ 44.8575, 0.2072,
0.2652

■ 64.9859, 0.2567,
0.3075

■ 44.3961, 0.2066,
0.2637

■ 70.0163, 0.2705,
0.3138

■ 75.6084, 0.2852,
0.3196

 81.7871, 0.3004,
0.3251

 88.5756, 0.3159,
0.3300

 93.2579, 0.3222,
0.3345

 96.1524, 0.3218,
0.3390

Harmonies

Analogous

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



52.9808, 0.2390, 0.3310



52.9808, 0.2237, 0.2867



52.9808, 0.2296, 0.2589

Triad

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



52.9808, 0.2237, 0.2867



52.9808, 0.3487, 0.2850



52.9808, 0.3676, 0.4163

Complementary

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



52.9808, 0.2237, 0.2867



29.9772, 0.5133, 0.3601

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.



52.9808, 0.4013, 0.3946



52.9808, 0.2237, 0.2867



52.9808, 0.3912, 0.3200

Square

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



52.9808, 0.2237, 0.2867



52.9808, 0.2985, 0.2602



52.9808, 0.4107, 0.3591



52.9808, 0.3207, 0.4124

Rectangle

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



52.9808, 0.2237, 0.2867



52.9808, 0.2450, 0.2512



52.9808, 0.4107, 0.3591



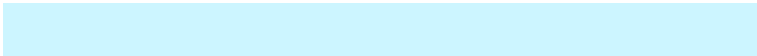
52.9808, 0.3809, 0.4114

Sweetspot

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



52.9827, 0.2237, 0.2867



85.3609, 0.2820, 0.3184



64.9466, 0.2919, 0.5144



17.8776, 0.2779, 0.3168



0.0000, 0.0000, 0.0000



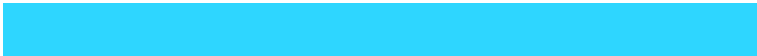
21.4041, 0.3127, 0.3290

Same Dimension

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



52.9827, 0.2237, 0.2867



55.8872, 0.2137, 0.2764



23.4531, 0.1960, 0.1730



17.3714, 0.2981, 0.3243



24.4961, 0.2069, 0.2649



2.1707, 0.2095, 0.2743

Inverse Universe

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



28.3767, 0.3547, 0.2014



28.0608, 0.3658, 0.1889



55.1767, 0.4417, 0.4405



15.9752, 0.3168, 0.3102



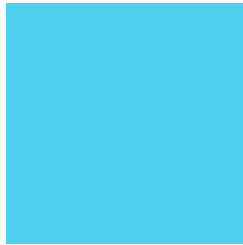
12.2662, 0.3777, 0.1854



1.0339, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 52.9808, 0.2237, 0.2867 looks on a white background.

Color Contrast Check

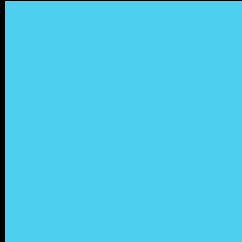
Large Text (above 18pt) WCAG AA × Fail

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 52.9808, 0.2237, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

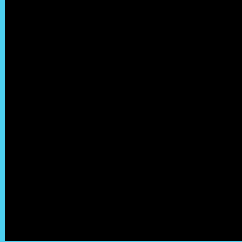
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9808, 0.2237, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 52.9808, 0.2237, 0.2867.



This preview shows how white text looks on a background with the Yxy color 52.9808, 0.2237, 0.2867.

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

52.9808, 0.2237, 0.2867

Protanopia

52.0085, 0.2810, 0.2833

Deuteranopia

52.3828, 0.2682, 0.2625



Tritanopia

52.9044, 0.2274, 0.3057

Trichromacy



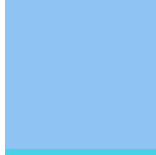
Original Color

52.9808, 0.2237, 0.2867



Protanomaly

51.2353, 0.2533, 0.2833



Deuteranomaly

51.3409, 0.2467, 0.2694



Tritanomaly

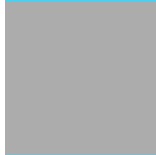
52.8048, 0.2259, 0.2979

Monochromacy



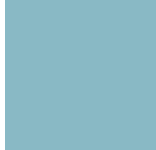
Original Color

52.9808, 0.2237, 0.2867



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.0475, 0.2674, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9808, 0.2237, 0.2867 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(77, 208, 240)` looks like.

```
.text, #text, p{  
    color:rgb(77, 208, 240)  
}
```

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(77, 208, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 208, 240) }
```

Border

The CSS property to change the border of an element to Yxy 52.9808, 0.2237, 0.2867 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(77, 208, 240) }
```

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

```
.border{ border-color:rgb(77, 208, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 208, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 208, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 208, 240);  
box-shadow:4px 4px 4px 4px rgb(77, 208,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9808, 0.2237, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 208, 240) }
```

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

```
.background{ background-color: rgb(77, 208,  
240) }
```

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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