

Converting Colors

$Y_{xy}(52.5574, 0.2537, 0.3288)$

Have a look what the booklet for
Yxy(52.5574, 0.2537, 0.3288)
contains.

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Color

Yxy(52.8436, 0.2537, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	74CFCF
RGB	116, 207, 207
RGB Percent	45%, 81%, 81%
CMY	0.5453, 0.1882, 0.1881
CMYK	0.44, 0.00, 0.00, 0.19
HSL	180°, 49%, 63%
HSV	180°, 44%, 81%
XYZ	40.7738, 52.8436, 67.0992
YIQ	179.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

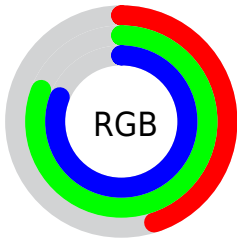
Format	Color
R _Y B	116, 162, 207
Decimal	7655375
CIE Lab	77.78, -27.14, -8.50
CIE LCh	78, 28.441, 197.393
Yxy	52.8436, 0.2537, 0.3288
Android (android.graphics.Color)	4285845455 (0xFF74CFCF)
YUV	179.7910, 13.4140, -55.9447
Hunter-Lab	72.6936, -27.0933, -3.8416

Details

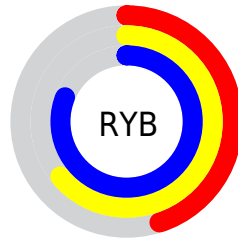
The Yxy color **52.8436, 0.2537, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0094, 0.4284, 0.3294**, and the grayscale version is **45.4665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **25.6262, 0.2381, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **51.5805, 0.2443, 0.3288**, and if you desaturate by 10%, it is **54.4269, 0.2649, 0.3288**.

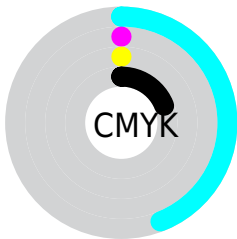
Distribution



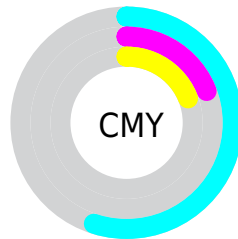
- Red (45%)
- Green (81%)
- Blue (81%)



- Red (45%)
- Yellow (64%)
- Blue (81%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (55%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8436, 0.2537, 0.3288 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 52.8436, 0.2537, 0.3288 by changing the saturation by 10% instead.

 52.8436, 0.2537,
0.3288

 52.8436, 0.2537,
0.3288


397.6848, 0.2821,
0.3295

 37.6779, 0.2470,
0.3285


 94.3742, 0.2638,
0.3292

 25.7328, 0.2385,
0.3279


 121.5079, 0.2676,
0.3293

 16.6239, 0.2276,
0.3271


 153.3997, 0.2709,
0.3294

 9.9667, 0.2130,
0.3256

190.4341, 0.2737,
0.3294

 5.3769, 0.1927,
0.3230

232.9954, 0.2762,
0.3294

 2.4700, 0.1625,
0.3174

281.4680, 0.2784,

 0.8616, 0.0586,

0.3295

0.3228

336.2364, 0.2803,
0.3295

0.0000, 0.0000,
0.0000

52.8436, 0.2537,
0.3288

52.8436, 0.2537,
0.3288

51.5805, 0.2443,
0.3288

54.4269, 0.2649,
0.3288

50.6101, 0.2367,
0.3287

56.3435, 0.2776,
0.3289

49.9107, 0.2311,
0.3287

58.6132, 0.2916,
0.3289

49.4546, 0.2274,
0.3287

61.2524, 0.3065,
0.3290

49.2085, 0.2253,
0.3287

64.2768, 0.3222,
0.3290

■ 49.1261, 0.2246,
0.3287

■ 67.7008, 0.3382,
0.3291

■ 70.4105, 0.3498,
0.3291

■ 70.4124, 0.3498,
0.3291

■ 70.4143, 0.3498,
0.3291

Harmonies

Analogous

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



52.8436, 0.2806, 0.3655



52.8436, 0.2537, 0.3288



52.8436, 0.2422, 0.2950

Triad

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



52.8436, 0.2537, 0.3288



52.8436, 0.3045, 0.2753



52.8436, 0.3806, 0.3826

Complementary

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



52.8436, 0.2537, 0.3288



27.0094, 0.4284, 0.3294

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.



52.8436, 0.3888, 0.3557



52.8436, 0.2537, 0.3288



52.8436, 0.3433, 0.2959

Square

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



52.8436, 0.2537, 0.3288



52.8436, 0.2701, 0.2670



52.8436, 0.3749, 0.3246



52.8436, 0.3540, 0.3970

Rectangle

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



52.8436, 0.2537, 0.3288



52.8436, 0.2442, 0.2789



52.8436, 0.3749, 0.3246



52.8436, 0.3857, 0.3746

Sweetspot

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



52.8457, 0.2537, 0.3288



94.2418, 0.2928, 0.3289



49.6073, 0.3063, 0.4652



19.9846, 0.2896, 0.3289



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.



52.8457, 0.2537, 0.3288



82.7057, 0.2446, 0.3288



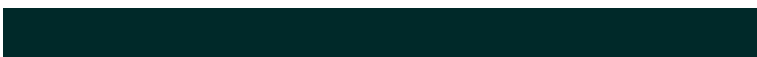
33.8739, 0.2424, 0.2624



13.4067, 0.2983, 0.3290



30.9425, 0.2246, 0.3287



1.7302, 0.2246, 0.3287

Inverse Universe

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



30.2513, 0.3177, 0.2223



41.8752, 0.3187, 0.2022



40.1877, 0.4013, 0.3865



12.0090, 0.3138, 0.3061



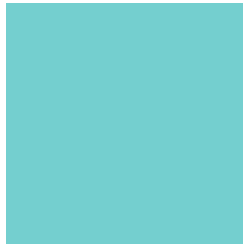
11.1949, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 52.8436, 0.2537, 0.3288 looks on a white background.

Color Contrast Check

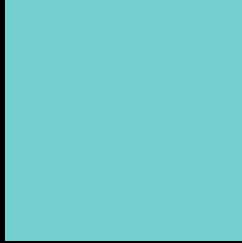
Large Text (above 18pt) WCAG AA × Fail

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 52.8436, 0.2537, 0.3288 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

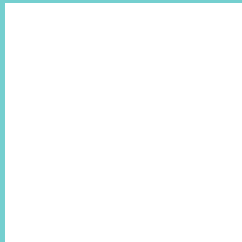
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.8436, 0.2537, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 52.8436, 0.2537, 0.3288.

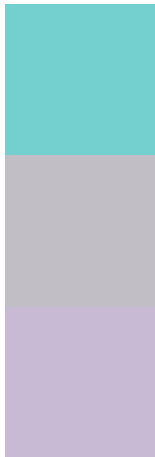


This preview shows how white text looks on a background with the Yxy color 52.8436, 0.2537, 0.3288.

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

52.8436, 0.2537, 0.3288

Protanopia

52.1956, 0.3099, 0.3204

Deuteranopia

52.1506, 0.3044, 0.2981



Tritanopia

52.8762, 0.2480, 0.3077

Trichromacy



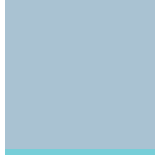
Original Color

52.8436, 0.2537, 0.3288



Protanomaly

51.6962, 0.2857, 0.3225



Deuteranomaly

51.6717, 0.2825, 0.3086



Tritanomaly

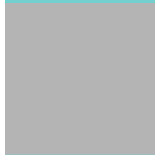
53.0224, 0.2503, 0.3155

Monochromacy



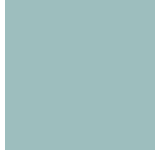
Original Color

52.8436, 0.2537, 0.3288



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.7127, 0.2869, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8436, 0.2537, 0.3288 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(116, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(116, 207, 207)  
}
```

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(116, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 207) }
```

Border

The CSS property to change the border of an element to Yxy 52.8436, 0.2537, 0.3288 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(116, 207, 207) }
```

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

```
.border{ border-color:rgb(116, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(116, 207,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8436, 0.2537, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 207, 207) }
```

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

```
.background{ background-color: rgb(116,  
207, 207) }
```

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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