

# Converting Colors

$Yxy(52.3483, 0.2529, 0.3429)$

Have a look what the booklet for  
Yxy(52.3483, 0.2529, 0.3429)  
contains.

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# Color

**Yxy(52.1320, 0.2529, 0.3429)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 68D0C6                       |
| RGB         | 104, 208, 198                |
| RGB Percent | 41%, 82%, 78%                |
| CMY         | 0.5925, 0.1843, 0.2236       |
| CMYK        | 0.50, 0.00, 0.05, 0.18       |
| HSL         | 174°, 53%, 61%               |
| HSV         | 174°, 50%, 82%               |
| XYZ         | 38.4491, 52.1320, 61.4516    |
| YIQ         | 175.7640, -58.7740, -25.1580 |

# Conversions

## Conversions Part 2

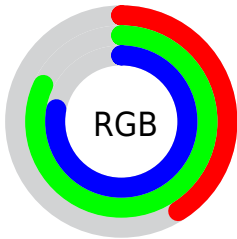
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">104, 159, 208</a>                   |
| Decimal                             | <a href="#">6869190</a>                         |
| CIELab                              | <a href="#">77.36, -32.62, -4.32</a>            |
| CIElCh                              | <a href="#">77, 32.909, 187.535</a>             |
| Yxy                                 | <a href="#">52.1320, 0.2529,<br/>0.3429</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285059270<br/>(0xFF68D0C6)</a>     |
| YUV                                 | <a href="#">175.7640, 10.9623,<br/>-62.9370</a> |
| Hunter-Lab                          | <a href="#">72.2025, -31.3001,<br/>0.0800</a>   |

# Details

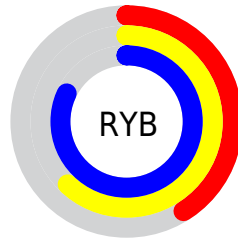
The Yxy color **52.1320, 0.2529, 0.3429** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.5107, 0.4395, 0.3169**, and the grayscale version is **43.2421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **25.2472, 0.2373, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **50.9483, 0.2453, 0.3461**, and if you desaturate by 10%, it is **53.6279, 0.2623, 0.3398**.

# Distribution



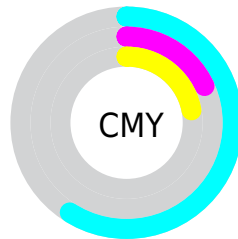
- Red (41%)
- Green (82%)
- Blue (78%)



- Red (41%)
- Yellow (62%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)




- Cyan (59%)
- Magenta (18%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1320, 0.2529, 0.3429 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 52.1320, 0.2529, 0.3429 by changing the saturation by 10% instead.





 52.1320, 0.2529,  
0.3429


 52.1320, 0.2529,  
0.3429


394.9460, 0.2819,  
0.3365


 37.1103, 0.2460,  
0.3443


 93.3259, 0.2632,  
0.3407


 25.2929, 0.2373,  
0.3461


 120.2669, 0.2671,  
0.3398

 16.2954, 0.2259,  
0.3482


 151.9497, 0.2705,  
0.3391

 9.7334, 0.2108,  
0.3509

 188.7588, 0.2734,  
0.3385

 5.2226, 0.1894,  
0.3542

231.0786, 0.2759,  
0.3379

 2.3784, 0.1573,  
0.3582

279.2935, 0.2781,

 0.8148, 0.0000,

0.3374

0.4031

333.7878, 0.2801,  
0.3369

0.0000, 0.0000,  
0.0000

52.1320, 0.2529,  
0.3429

52.1320, 0.2529,  
0.3429

50.9483, 0.2453,  
0.3461

53.6279, 0.2623,  
0.3398

50.0476, 0.2395,  
0.3494

55.4506, 0.2732,  
0.3368

49.4058, 0.2357,  
0.3527

57.6210, 0.2855,  
0.3340

48.9918, 0.2337,  
0.3560

60.1564, 0.2987,  
0.3314

48.7488, 0.2331,  
0.3593

63.0732, 0.3127,  
0.3290

■ 66.3866, 0.3270,  
0.3269

■ 70.1111, 0.3416,  
0.3250

■ 71.2353, 0.3443,  
0.3230

■ 71.3384, 0.3428,  
0.3210

# Harmonies

## Analogous

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



52.1320, 0.2884, 0.3840



52.1320, 0.2529, 0.3429



52.1320, 0.2337, 0.3007

# Triad

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



52.1320, 0.2529, 0.3429



52.1320, 0.2887, 0.2626



52.1320, 0.3974, 0.3812

# Complementary

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



52.1320, 0.2529, 0.3429



24.5107, 0.4395, 0.3169

# 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.



52.1320, 0.3987, 0.3474



52.1320, 0.2529, 0.3429



52.1320, 0.3334, 0.2819

# Square

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



52.1320, 0.2529, 0.3429



52.1320, 0.2532, 0.2580



52.1320, 0.3748, 0.3121



52.1320, 0.3722, 0.4045



# Rectangle

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



52.1320, 0.2529, 0.3429



52.1320, 0.2317, 0.2789



52.1320, 0.3748, 0.3121



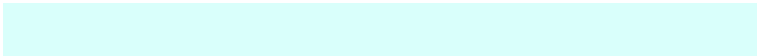
52.1320, 0.4007, 0.3706

# Sweetspot

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



52.1340, 0.2529, 0.3429



93.2183, 0.2918, 0.3327



49.7167, 0.3118, 0.4839



19.7724, 0.2890, 0.3333



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.



52.1340, 0.2529, 0.3429



80.6513, 0.2448, 0.3464



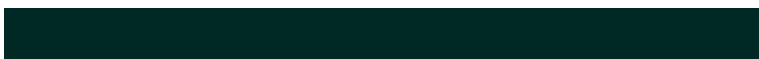
34.9031, 0.2360, 0.2675



13.3866, 0.2996, 0.3312



30.3858, 0.2330, 0.3588



1.7048, 0.2313, 0.3528



# Inverse Universe

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



24.5107, 0.4395, 0.3169



32.0411, 0.4843, 0.3155



34.8320, 0.4241, 0.3815



11.8265, 0.3276, 0.3268



8.3959, 0.6281, 0.3234

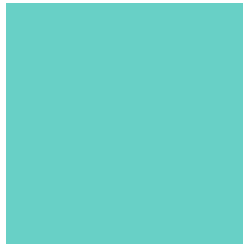


0.4759, 0.5950, 0.3051



# Previews

## White Background



This preview shows how the Yxy color 52.1320, 0.2529, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

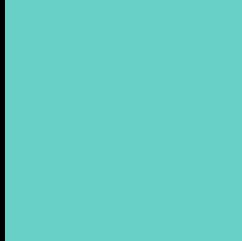
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1320, 0.2529, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

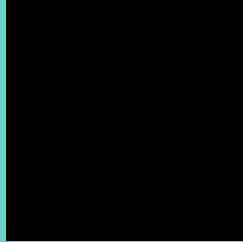
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

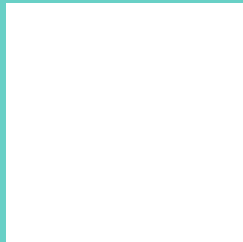
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.1320, 0.2529, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1320, 0.2529, 0.3429.

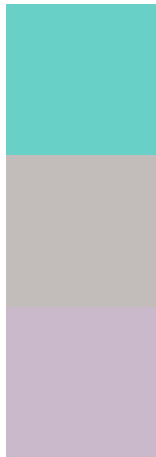


This preview shows how white text looks on a background with the Yxy color 52.1320, 0.2529, 0.3429.

# 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

52.1320, 0.2529, 0.3429

### Protanopia

51.4524, 0.3184, 0.3315

### Deuteranopia

51.1493, 0.3130, 0.3062



## Tritanopia

52.2626, 0.2437, 0.3074

# Trichromacy



## Original Color

52.1320, 0.2529, 0.3429



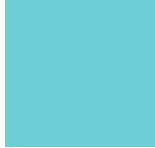
## Protanomaly

50.8185, 0.2895, 0.3355



## Deuteranomaly

50.4640, 0.2862, 0.3186



## Tritanomaly

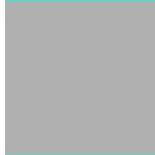
52.1349, 0.2466, 0.3193

# Monochromacy



## Original Color

52.1320, 0.2529, 0.3429



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.9112, 0.2857, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1320, 0.2529, 0.3429 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(104, 208, 198)` looks like.

```
.text, #text, p{  
    color:rgb(104, 208, 198)  
}
```

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(104, 208, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 208, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1320, 0.2529, 0.3429 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(104, 208, 198) }
```

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

```
.border{ border-color:rgb(104, 208, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 208, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 208, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 208, 198);  
box-shadow:4px 4px 4px 4px rgb(104, 208,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1320, 0.2529, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 208, 198) }
```

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

```
.background{ background-color: rgb(104,  
208, 198) }
```

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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