

# Converting Colors

$Y_{xy}(52.0067, 0.2516, 0.3391)$

Have a look what the booklet for  
Yxy(52.0067, 0.2516, 0.3391)  
contains.

<b>Yxy(52.2249, 0.2519, 0.3400)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.2249, 0.2519, 0.3400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68D0C8
RGB	104, 208, 200
RGB Percent	41%, 82%, 78%
CMY	0.5920, 0.1843, 0.2157
CMYK	0.50, 0.00, 0.04, 0.18
HSL	175°, 53%, 61%
HSV	175°, 50%, 82%
XYZ	38.6925, 52.2249, 62.6852
YIQ	175.9920, -59.4160, -24.5360

# Conversions

## Conversions Part 2

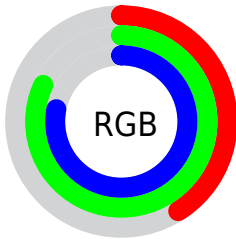
Format	Color
<a href="#">RYB</a>	<a href="#">104, 158, 208</a>
Decimal	<a href="#">6869192</a>
<a href="#">CIELab</a>	<a href="#">77.42, -32.08, -5.32</a>
<a href="#">CIELCh</a>	<a href="#">77, 32.523, 189.412</a>
<a href="#">Yxy</a>	<a href="#">52.2249, 0.2519, 0.3400</a>
Android (android.graphics.Color)	<a href="#">4285059272</a> ( <a href="#">0xFF68D0C8</a> )
<a href="#">YUV</a>	<a href="#">175.9920, 11.8359, -63.1370</a>
<a href="#">Hunter-Lab</a>	<a href="#">72.2668, -30.8959, -0.8422</a>

# Details

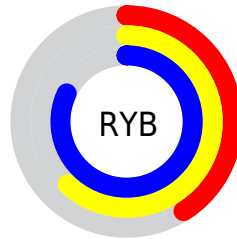
The Yxy color **52.2249, 0.2519, 0.3400** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4873, 0.4421, 0.3194**, and the grayscale version is **43.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **25.3089, 0.2361, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **51.0571, 0.2441, 0.3426**, and if you desaturate by 10%, it is **53.7045, 0.2615, 0.3375**.

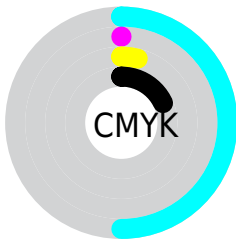
# Distribution



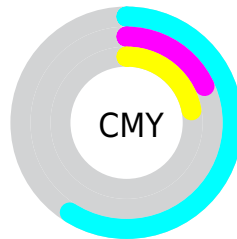
- Red (41%)
- Green (82%)
- Blue (78%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2249, 0.2519, 0.3400 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 52.2249, 0.2519, 0.3400 by changing the saturation by 10% instead.





 52.2249, 0.2519,  
0.3400


 52.2249, 0.2519,  
0.3400


395.3042, 0.2813,  
0.3351


 37.1844, 0.2449,  
0.3410


 93.4628, 0.2623,  
0.3384

 25.3503, 0.2361,  
0.3423


 120.4290, 0.2663,  
0.3377

 16.3382, 0.2246,  
0.3437


 152.1392, 0.2697,  
0.3371

 9.7638, 0.2093,  
0.3455

 188.9778, 0.2727,  
0.3366

 5.2426, 0.1878,  
0.3474

231.3293, 0.2752,  
0.3362

 2.3903, 0.1557,  
0.3490

279.5779, 0.2775,

 0.8209, 0.0000,

0.3358

0.3874

334.1081, 0.2795,  
0.3354

0.0000, 0.0000,  
0.0000

52.2249, 0.2519,  
0.3400

52.2249, 0.2519,  
0.3400

51.0571, 0.2441,  
0.3426

53.7045, 0.2615,  
0.3375

50.1721, 0.2382,  
0.3452

55.5105, 0.2726,  
0.3352

49.5456, 0.2342,  
0.3478


57.6637, 0.2850,  
0.3329

49.1466, 0.2321,  
0.3504


60.1816, 0.2985,  
0.3309


48.9178, 0.2314,  
0.3529

63.0804, 0.3127,  
0.3290

 48.9175, 0.2314,  
0.3529

 66.3754, 0.3274,  
0.3273

 70.0810, 0.3423,  
0.3258

 71.1658, 0.3452,  
0.3242

 71.2474, 0.3440,  
0.3226

# Harmonies

## Analogous

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



52.2249, 0.2861, 0.3811



52.2249, 0.2519, 0.3400



52.2249, 0.2341, 0.2988

# Triad

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



52.2249, 0.2519, 0.3400



52.2249, 0.2917, 0.2641



52.2249, 0.3954, 0.3825

# Complementary

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



52.2249, 0.2519, 0.3400



24.4873, 0.4421, 0.3194

# 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.



52.2249, 0.3983, 0.3495



52.2249, 0.2519, 0.3400



52.2249, 0.3360, 0.2841

# Square

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



52.2249, 0.2519, 0.3400



52.2249, 0.2557, 0.2586



52.2249, 0.3761, 0.3144



52.2249, 0.3694, 0.4045



# Rectangle

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



52.2249, 0.2519, 0.3400



52.2249, 0.2328, 0.2778



52.2249, 0.3761, 0.3144



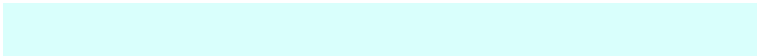
52.2249, 0.3992, 0.3722

# Sweetspot

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



52.2269, 0.2519, 0.3400



93.2654, 0.2914, 0.3319



49.6024, 0.3107, 0.4843



19.7838, 0.2886, 0.3324



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.



52.2269, 0.2519, 0.3400



80.8298, 0.2436, 0.3427



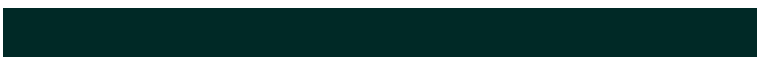
34.2939, 0.2355, 0.2649



13.3907, 0.2993, 0.3308



30.4946, 0.2313, 0.3526



1.7098, 0.2300, 0.3478



# Inverse Universe

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



24.4873, 0.4421, 0.3194



31.9724, 0.4881, 0.3184



35.3870, 0.4227, 0.3835



11.8228, 0.3279, 0.3272



8.3867, 0.6309, 0.3249

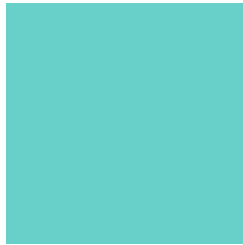


0.4742, 0.6034, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 52.2249, 0.2519, 0.3400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

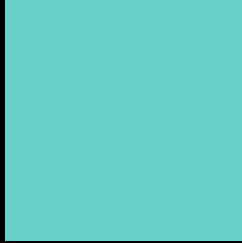
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2249, 0.2519, 0.3400 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

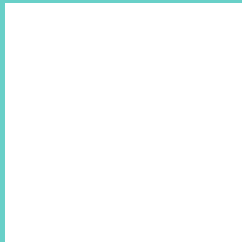
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2249, 0.2519, 0.3400**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2249, 0.2519, 0.3400.

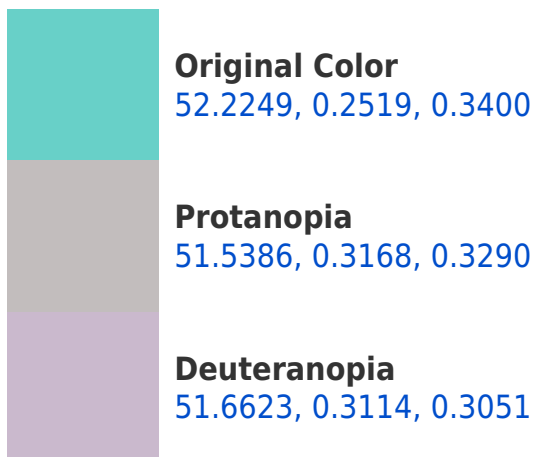


This preview shows how white text looks on a background with the Yxy color 52.2249, 0.2519, 0.3400.

# 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





## Tritanopia

52.2626, 0.2437, 0.3074

# Trichromacy



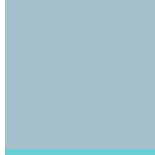
## Original Color

52.2249, 0.2519, 0.3400



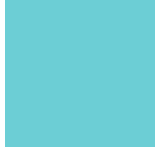
## Protanomaly

50.9072, 0.2881, 0.3329



## Deuteranomaly

50.5587, 0.2849, 0.3160



## Tritanomaly

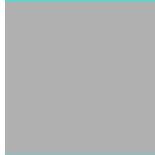
52.1349, 0.2466, 0.3193

# Monochromacy



## Original Color

52.2249, 0.2519, 0.3400



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.9533, 0.2850, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2249, 0.2519, 0.3400 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(104, 208, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 208, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2249, 0.2519, 0.3400 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, 200) }
```

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

```
.border{ border-color:rgb(104, 208, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 208, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 208, 200);  
box-shadow:4px 4px 4px 4px rgb(104, 208,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2249, 0.2519, 0.3400 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, 200) }
```

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

```
.background{ background-color: rgb(104,  
208, 200) }
```

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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