

# Converting Colors

$Yxy(54.6762, 0.2575, 0.3474)$

Have a look what the booklet for  
Yxy(54.6762, 0.2575, 0.3474)  
contains.

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# Color

**Yxy(54.6552, 0.2571, 0.3467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D4C7
RGB	112, 212, 199
RGB Percent	44%, 83%, 78%
CMY	0.5610, 0.1686, 0.2195
CMYK	0.47, 0.00, 0.06, 0.17
HSL	172°, 54%, 64%
HSV	172°, 47%, 83%
XYZ	40.5303, 54.6552, 62.4586
YIQ	180.6180, -55.4270, -25.2430

# Conversions

## Conversions Part 2

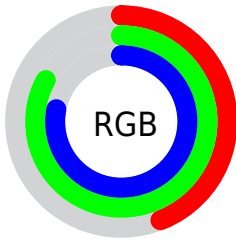
Format	Color
<b>RYB</b>	112, 165, 212
Decimal	7394503
CIELab	78.84, -32.46, -2.66
CIELCh	79, 32.568, 184.680
Yxy	54.6552, 0.2571, 0.3467
Android (android.graphics.Color)	4285584583 (0xFF70D4C7)
YUV	180.6180, 9.0623, -60.1780
Hunter-Lab	73.9292, -31.5167, 1.6596

# Details

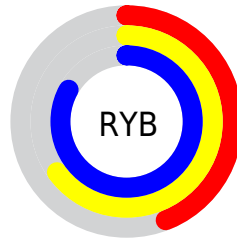
The Yxy color **54.6552, 0.2571, 0.3467** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0526, 0.4243, 0.3133**, and the grayscale version is **45.9582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **26.8883, 0.2430, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **53.3007, 0.2492, 0.3511**, and if you desaturate by 10%, it is **56.3436, 0.2667, 0.3425**.

# Distribution



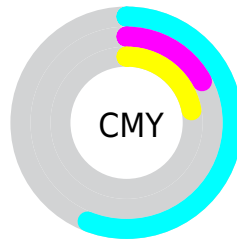
- Red (44%)
- Green (83%)
- Blue (78%)



- Red (44%)
- Yellow (65%)
- Blue (83%)



- Cyan (47%)
- Magenta (0%)
- Yellow (6%)
- Black (17%)




- Cyan (56%)
- Magenta (17%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6552, 0.2571, 0.3467 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 54.6552, 0.2571, 0.3467 by changing the saturation by 10% instead.





 54.6552, 0.2571,  
0.3467


 54.6552, 0.2571,  
0.3467


404.6036, 0.2839,  
0.3384

 39.1257, 0.2507,  
0.3486


 97.0356, 0.2666,  
0.3438

 26.8576, 0.2427,  
0.3510


 124.6553, 0.2702,  
0.3427

 17.4663, 0.2323,  
0.3540


 157.0739, 0.2733,  
0.3417

 10.5675, 0.2185,  
0.3580

194.6757, 0.2760,  
0.3409

 5.7768, 0.1989,  
0.3633

237.8452, 0.2784,  
0.3401

 2.7098, 0.1697,  
0.3707

286.9668, 0.2804,

 0.9822, 0.0575,

0.3395

0.4090

342.4247, 0.2823,  
0.3389

■ 0.0000, 0.0000,  
0.0000

■ 54.6552, 0.2571,  
0.3467

■ 54.6552, 0.2571,  
0.3467

■ 53.3007, 0.2492,  
0.3511

■ 56.3436, 0.2667,  
0.3425

■ 52.2504, 0.2431,  
0.3556

■ 58.3805, 0.2777,  
0.3385

■ 51.4799, 0.2390,  
0.3602

■ 60.7875, 0.2899,  
0.3347


■ 50.9583, 0.2368,  
0.3647


■ 63.5824, 0.3029,  
0.3313

■ 50.6442, 0.2363,  
0.3692

■ 66.7820, 0.3166,  
0.3282

 50.5734, 0.2363,  
0.3705

 70.4019, 0.3305,  
0.3253

 73.4288, 0.3405,  
0.3227

 73.5743, 0.3385,  
0.3200

 73.7222, 0.3365,  
0.3172

# Harmonies

## Analogous

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



54.6552, 0.2929, 0.3856



54.6552, 0.2571, 0.3467



54.6552, 0.2366, 0.3050

# Triad

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



54.6552, 0.2571, 0.3467



54.6552, 0.2856, 0.2630



54.6552, 0.3964, 0.3772

# Complementary

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



54.6552, 0.2571, 0.3467



27.0526, 0.4243, 0.3133

# 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.



54.6552, 0.3953, 0.3438



54.6552, 0.2571, 0.3467



54.6552, 0.3287, 0.2807

# Square

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



54.6552, 0.2571, 0.3467



54.6552, 0.2521, 0.2602



54.6552, 0.3698, 0.3094



54.6552, 0.3739, 0.4012



# Rectangle

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



54.6552, 0.2571, 0.3467



54.6552, 0.2334, 0.2828



54.6552, 0.3698, 0.3094



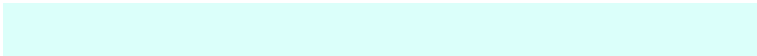
54.6552, 0.3989, 0.3666

# Sweetspot

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



54.6573, 0.2571, 0.3467



93.5518, 0.2938, 0.3337



52.6418, 0.3143, 0.4732



19.8344, 0.2910, 0.3344



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.



54.6573, 0.2571, 0.3467



80.8766, 0.2489, 0.3513



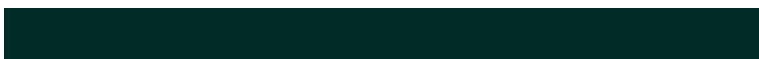
38.9787, 0.2409, 0.2765



14.0788, 0.3000, 0.3320



31.2288, 0.2361, 0.3698



1.8915, 0.2339, 0.3620



# Inverse Universe

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



27.0526, 0.4243, 0.3133



33.9086, 0.4648, 0.3108



36.5459, 0.4180, 0.3747



12.4468, 0.3271, 0.3260



8.6997, 0.6225, 0.3203

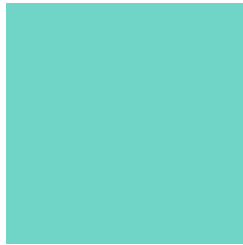


0.5335, 0.5837, 0.2989



# Previews

## White Background



This preview shows how the Yxy color 54.6552, 0.2571, 0.3467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

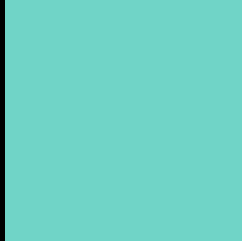
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6552, 0.2571, 0.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

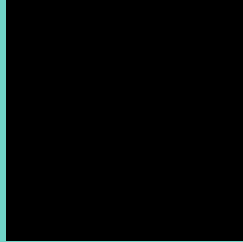
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

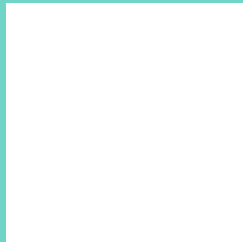
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.6552, 0.2571, 0.3467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6552, 0.2571, 0.3467.

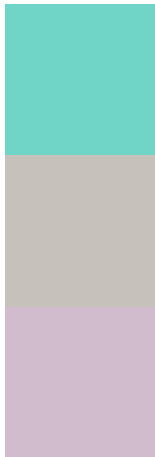


This preview shows how white text looks on a background with the Yxy color 54.6552, 0.2571, 0.3467.

# 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

54.6552, 0.2571, 0.3467

### Protanopia

53.9129, 0.3214, 0.3351

### Deuteranopia

53.7360, 0.3169, 0.3102



## Tritanopia

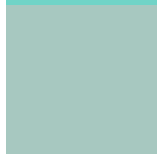
54.5411, 0.2467, 0.3066

# Trichromacy



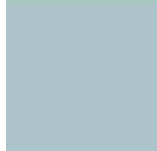
## Original Color

54.6552, 0.2571, 0.3467



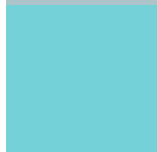
## Protanomaly

53.3298, 0.2933, 0.3393



## Deuteranomaly

53.0810, 0.2909, 0.3226



## Tritanomaly

54.3407, 0.2501, 0.3195

# Monochromacy



## Original Color

54.6552, 0.2571, 0.3467



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.3980, 0.2876, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6552, 0.2571, 0.3467 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(112, 212, 199)` looks like.

```
.text, #text, p{  
    color:rgb(112, 212, 199)  
}
```

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(112, 212, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 212, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6552, 0.2571, 0.3467 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(112, 212, 199) }
```

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

```
.border{ border-color:rgb(112, 212, 199) }
```

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

Here you see how a box with a 4 pixel rgb(112, 212, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 212, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 212, 199);  
box-shadow:4px 4px 4px 4px rgb(112, 212,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6552, 0.2571, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 212, 199) }
```

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

```
.background{ background-color: rgb(112,  
212, 199) }
```

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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