

# Converting Colors

Yxy(53.8864, 0.2631, 0.3458)

Have a look what the booklet for  
Yxy(53.8864, 0.2631, 0.3458)  
contains.

<b>Yxy(53.8431, 0.2632, 0.3453)</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(53.8431, 0.2632, 0.3453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD1C5
RGB	123, 209, 197
RGB Percent	48%, 82%, 77%
CMY	0.5178, 0.1803, 0.2275
CMYK	0.41, 0.00, 0.06, 0.18
HSL	172°, 48%, 65%
HSV	172°, 41%, 82%
XYZ	41.0411, 53.8431, 61.0471
YIQ	181.9180, -47.4040, -21.9640

# Conversions

## Conversions Part 2

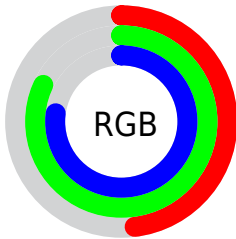
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	123, 169, 209
Decimal	8114629
CIE <sub>Lab</sub>	78.37, -28.85, -2.21
CIE <sub>LCh</sub>	78, 28.935, 184.380
Yxy	53.8431, 0.2632, 0.3453
Android (android.graphics.Color)	4286304709 (0xFF7BD1C5)
YUV	181.9180, 7.4354, -51.6711
Hunter-Lab	73.3779, -28.5740, 2.0378

# Details

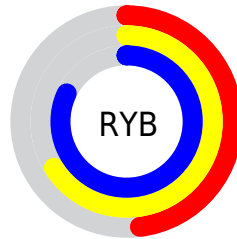
The Yxy color **53.8431, 0.2632, 0.3453** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.4610, 0.4023, 0.3140**, and the grayscale version is **46.7058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2595, 0.2701, 0.3299**, and **26.2877, 0.2504, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **52.3329, 0.2543, 0.3499**, and if you desaturate by 10%, it is **55.6891, 0.2736, 0.3409**.

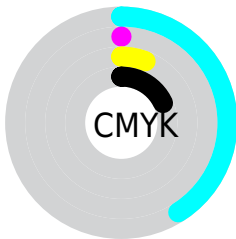
# Distribution



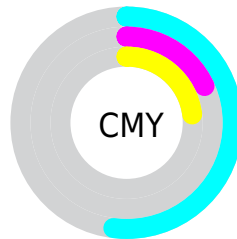
- Red (48%)
- Green (82%)
- Blue (77%)



- Red (48%)
- Yellow (66%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)




- Cyan (52%)
- Magenta (18%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8431, 0.2632, 0.3453 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 53.8431, 0.2632, 0.3453 by changing the saturation by 10% instead.





 53.8431, 0.2632,  
0.3453

 53.8431, 0.2632,  
0.3453


401.5114, 0.2872,  
0.3376


 38.4762, 0.2575,  
0.3471


 95.8438, 0.2717,  
0.3426

 26.3525, 0.2502,  
0.3494


 123.2465, 0.2750,  
0.3415

 17.0875, 0.2408,  
0.3522

 155.4299, 0.2778,  
0.3406

 10.2969, 0.2282,  
0.3561

192.7784, 0.2801,  
0.3399

 5.5963, 0.2103,  
0.3613

235.6764, 0.2822,  
0.3392

 2.6012, 0.1830,  
0.3688

284.5083, 0.2841,

 0.9273, 0.0773,

0.3386

0.4065

339.6585, 0.2857,  
0.3380

0.0000, 0.0000,  
0.0000

53.8431, 0.2632,  
0.3453

53.8431, 0.2632,  
0.3453

52.3329, 0.2543,  
0.3499

55.6891, 0.2736,  
0.3409

51.1311, 0.2472,  
0.3548

57.8839, 0.2852,  
0.3367

50.2161, 0.2420,  
0.3597

60.4474, 0.2978,  
0.3329


49.5609, 0.2387,  
0.3646


63.3961, 0.3111,  
0.3294

49.1333, 0.2372,  
0.3695

66.7456, 0.3248,  
0.3262

 48.8944, 0.2372,  
0.3738

 70.5108, 0.3387,  
0.3234

 71.8986, 0.3416,  
0.3205

 72.0523, 0.3394,  
0.3176

 72.2087, 0.3373,  
0.3147

# Harmonies

## Analogous

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



53.8431, 0.2956, 0.3794



53.8431, 0.2632, 0.3453



53.8431, 0.2444, 0.3083

# Triad

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



53.8431, 0.2632, 0.3453



53.8431, 0.2882, 0.2694



53.8431, 0.3876, 0.3724

# Complementary

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



53.8431, 0.2632, 0.3453



29.4610, 0.4023, 0.3140

# 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.



53.8431, 0.3862, 0.3424



53.8431, 0.2632, 0.3453



53.8431, 0.3268, 0.2853

# Square

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



53.8431, 0.2632, 0.3453



53.8431, 0.2581, 0.2672



53.8431, 0.3634, 0.3113



53.8431, 0.3679, 0.3935



# Rectangle

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



53.8431, 0.2632, 0.3453



53.8431, 0.2413, 0.2882



53.8431, 0.3634, 0.3113



53.8431, 0.3897, 0.3630

# Sweetspot

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



53.8452, 0.2632, 0.3453



94.3790, 0.2966, 0.3333



52.2586, 0.3157, 0.4519



20.0817, 0.2949, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

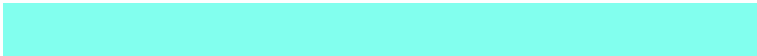


# Same Dimension

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



53.8452, 0.2632, 0.3453



82.4163, 0.2557, 0.3492



41.0090, 0.2499, 0.2865



13.3775, 0.3001, 0.3323



30.1541, 0.2370, 0.3731



1.6940, 0.2345, 0.3641



# Inverse Universe

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



29.4610, 0.4023, 0.3140



39.3610, 0.4313, 0.3113



37.7935, 0.4011, 0.3672



11.8348, 0.3269, 0.3258



8.4217, 0.6203, 0.3191



0.4798, 0.5773, 0.2954



# Previews

## White Background



This preview shows how the Yxy color 53.8431, 0.2632, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

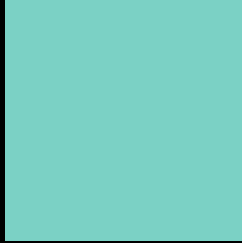
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8431, 0.2632, 0.3453 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

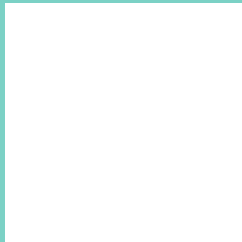
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8431, 0.2632, 0.3453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8431, 0.2632, 0.3453.



This preview shows how white text looks on a background with the Yxy color 53.8431, 0.2632, 0.3453.

# 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

53.8431, 0.2632, 0.3453

### Protanopia

53.2929, 0.3214, 0.3352

### Deuteranopia

53.2148, 0.3185, 0.3113



## Tritanopia

53.6824, 0.2526, 0.3067

# Trichromacy



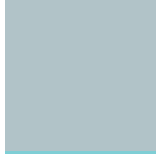
## Original Color

53.8431, 0.2632, 0.3453



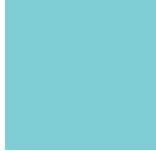
## Protanomaly

52.8077, 0.2969, 0.3380



## Deuteranomaly

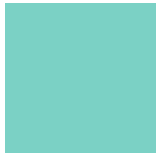
52.5475, 0.2952, 0.3226



## Tritanomaly

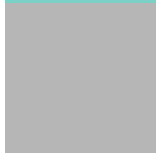
53.4587, 0.2560, 0.3195

# Monochromacy



## Original Color

53.8431, 0.2632, 0.3453



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.8642, 0.2920, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8431, 0.2632, 0.3453 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(123, 209, 197)` looks like.

```
.text, #text, p{  
    color:rgb(123, 209, 197)  
}
```

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(123, 209, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 209, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8431, 0.2632, 0.3453 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(123, 209, 197) }
```

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

```
.border{ border-color:rgb(123, 209, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 209, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 209, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 209, 197); box-shadow:4px 4px 4px 4px rgb(123, 209, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8431, 0.2632, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 209, 197) }
```

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

```
.background{ background-color: rgb(123,  
209, 197) }
```

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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