

# Converting Colors

$Yxy(42.4605, 0.2444, 0.3337)$

Have a look what the booklet for  
Yxy(42.4605, 0.2444, 0.3337)  
contains.

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# Color

**Yxy(42.2538, 0.2442, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53BEBB
RGB	83, 190, 187
RGB Percent	33%, 75%, 73%
CMY	0.6745, 0.2549, 0.2667
CMYK	0.56, 0.00, 0.02, 0.25
HSL	178°, 45%, 54%
HSV	178°, 56%, 75%
XYZ	30.9489, 42.2538, 53.5333
YIQ	157.6650, -62.8090, -23.6170

# Conversions

## Conversions Part 2

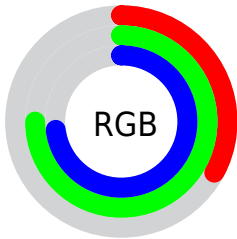
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 137, 190
Decimal	5488315
CIELab	71.05, -31.21, -7.77
CIElCh	71, 32.165, 193.986
Yxy	42.2538, 0.2442, 0.3334
Android (android.graphics.Color)	4283678395 (0xFF53BEBB)
YUV	157.6650, 14.4622, -65.4812
Hunter-Lab	65.0029, -28.7684, -3.3264

# Details

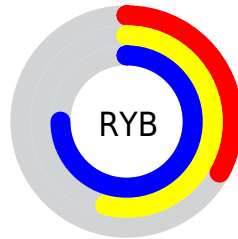
The Yxy color **42.2538, 0.2442, 0.3334** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.8055, 0.4756, 0.3256**, and the grayscale version is **33.9870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7434, 0.2566, 0.3335**, and **19.3295, 0.2259, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **41.4836, 0.2373, 0.3343**, and if you desaturate by 10%, it is **43.2641, 0.2530, 0.3325**.

# Distribution



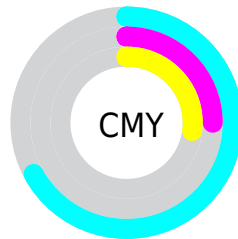
- Red (33%)
- Green (75%)
- Blue (73%)



- Red (33%)
- Yellow (54%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)



- Cyan (67%)
- Magenta (25%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2538, 0.2442, 0.3334 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 42.2538, 0.2442, 0.3334 by changing the saturation by 10% instead.




 42.2538, 0.2442,  
0.3334


 42.2538, 0.2442,  
0.3334


355.5340, 0.2783,  
0.3319

 29.3001, 0.2358,  
0.3335


 78.5836, 0.2566,  
0.3330


 19.3079, 0.2250,  
0.3335


 102.7285, 0.2612,  
0.3329

 11.8930, 0.2108,  
0.3333


 131.3725, 0.2652,  
0.3327

 6.6709, 0.1913,  
0.3324

 164.9001, 0.2685,  
0.3325

 3.2571, 0.1633,  
0.3298

203.6956, 0.2715,  
0.3323

 1.2674, 0.1037,  
0.3284

248.1435, 0.2740,

 0.1157, 0.0000,

0.3322

0.1474

298.6282, 0.2763,  
0.3321

0.0000, 0.0000,  
0.0000

42.2538, 0.2442,  
0.3334

42.2538, 0.2442,  
0.3334

41.4836, 0.2373,  
0.3343

43.2641, 0.2530,  
0.3325

40.9288, 0.2322,  
0.3352

44.5273, 0.2636,  
0.3317

40.5678, 0.2290,  
0.3361

46.0609, 0.2756,  
0.3309

40.3708, 0.2274,  
0.3370

47.8796, 0.2890,  
0.3301

40.3174, 0.2270,  
0.3373

49.9969, 0.3033,  
0.3294

■ 52.4257, 0.3183,  
0.3288

■ 55.1778, 0.3337,  
0.3282

■ 58.2647, 0.3493,  
0.3277

■ 61.6970, 0.3648,  
0.3273

# Harmonies

## Analogous

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



42.2538, 0.2780, 0.3786



42.2538, 0.2442, 0.3334



42.2538, 0.2285, 0.2910

# Triad

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



42.2538, 0.2442, 0.3334



42.2538, 0.2971, 0.2628



42.2538, 0.3975, 0.3899

# Complementary

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



42.2538, 0.2442, 0.3334



17.8055, 0.4756, 0.3256

# 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.



42.2538, 0.4049, 0.3560



42.2538, 0.2442, 0.3334



42.2538, 0.3445, 0.2858

# Square

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



42.2538, 0.2442, 0.3334



42.2538, 0.2572, 0.2545



42.2538, 0.3852, 0.3189



42.2538, 0.3668, 0.4109



# Rectangle

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



42.2538, 0.2442, 0.3334



42.2538, 0.2293, 0.2707



42.2538, 0.3852, 0.3189



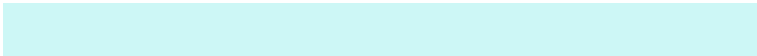
42.2538, 0.4030, 0.3795

# Sweetspot

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



42.2554, 0.2442, 0.3334



86.4217, 0.2876, 0.3302



39.4588, 0.3065, 0.5068



18.8231, 0.2849, 0.3303



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.2554, 0.2442, 0.3334



74.8524, 0.2357, 0.3346



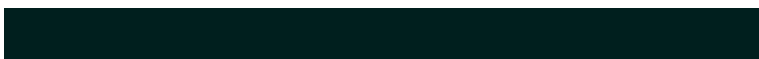
24.3324, 0.2251, 0.2462



10.8048, 0.2989, 0.3296



26.8093, 0.2270, 0.3372



1.0516, 0.2264, 0.3351



# Inverse Universe

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



17.8055, 0.4756, 0.3256



26.0901, 0.5353, 0.3257



28.3289, 0.4360, 0.3961



9.5406, 0.3284, 0.3284



7.2890, 0.6365, 0.3280



0.2870, 0.6229, 0.3205



# Previews

## White Background



This preview shows how the Yxy color 42.2538, 0.2442, 0.3334 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 42.2538, 0.2442, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

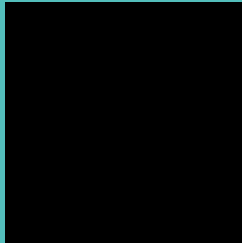
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

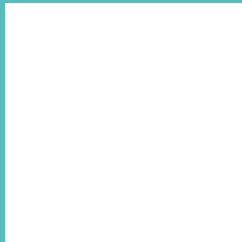
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.2538, 0.2442, 0.3334**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.2538, 0.2442, 0.3334.

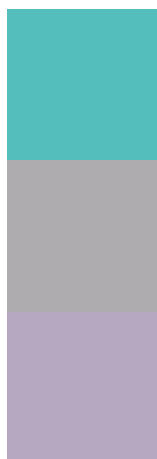


This preview shows how white text looks on a background with the Yxy color 42.2538, 0.2442, 0.3334.

# 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

42.2538, 0.2442, 0.3334

### Protanopia

41.7536, 0.3121, 0.3236

### Deuteranopia

41.6348, 0.3044, 0.2977



## Tritanopia

42.4021, 0.2379, 0.3067

# Trichromacy



## Original Color

42.2538, 0.2442, 0.3334



## Protanomaly

41.2863, 0.2817, 0.3275



## Deuteranomaly

40.7881, 0.2766, 0.3091



## Tritanomaly

42.4526, 0.2404, 0.3169

# Monochromacy



## Original Color

42.2538, 0.2442, 0.3334



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

36.4393, 0.2802, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2538, 0.2442, 0.3334 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(83, 190, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 187)  
}
```

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(83, 190, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2538, 0.2442, 0.3334 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(83, 190, 187) }
```

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

```
.border{ border-color:rgb(83, 190, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 190, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 187);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2538, 0.2442, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 187) }
```

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

```
.background{ background-color: rgb(83, 190,  
187) }
```

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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