

# Converting Colors

$Yxy(41.6138, 0.2282, 0.3164)$

Have a look what the booklet for  
Yxy(41.6138, 0.2282, 0.3164)  
contains.

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# Color

**Yxy(41.6342, 0.2282, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34BEC6
RGB	52, 190, 198
RGB Percent	20%, 75%, 78%
CMY	0.7966, 0.2549, 0.2234
CMYK	0.74, 0.04, 0.00, 0.22
HSL	183°, 58%, 49%
HSV	183°, 74%, 78%
XYZ	30.0187, 41.6342, 59.8927
YIQ	149.6500, -84.8160, -26.7680

# Conversions

## Conversions Part 2

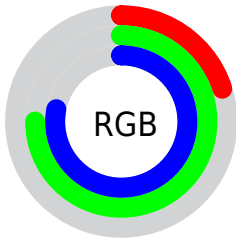
Format	Color
<a href="#">RYB</a>	<a href="#">52, 123, 198</a>
Decimal	<a href="#">3456710</a>
CIELab	<a href="#">70.62, -32.85, -14.53</a>
CIElCh	<a href="#">71, 35.920, 203.859</a>
Yxy	<a href="#">41.6342, 0.2282, 0.3165</a>
Android (android.graphics.Color)	<a href="#">4281646790 (0xFF34BEC6)</a>
YUV	<a href="#">149.6500, 23.8366, -85.6390</a>
Hunter-Lab	<a href="#">64.5246, -29.8746, -9.8667</a>

# Details

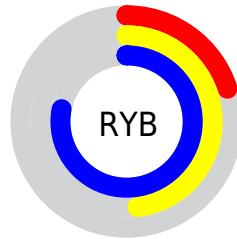
The Yxy color **41.6342, 0.2282, 0.3165** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.4733, 0.5564, 0.3374**, and the grayscale version is **30.2517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8065, 0.2431, 0.3195**, and **19.6219, 0.2200, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **40.7489, 0.2237, 0.3147**, and if you desaturate by 10%, it is **42.7461, 0.2346, 0.3184**.

# Distribution



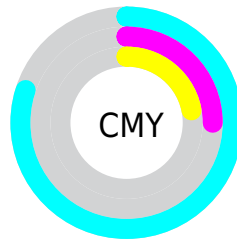
- Red (20%)
- Green (75%)
- Blue (78%)



- Red (20%)
- Yellow (48%)
- Blue (78%)



- Cyan (74%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)




- Cyan (80%)
- Magenta (25%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6342, 0.2282, 0.3165 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 41.6342, 0.2282, 0.3165 by changing the saturation by 10% instead.





 41.6342, 0.2282,  
0.3165

 41.6342, 0.2282,  
0.3165


352.9643, 0.2699,  
0.3242

 28.8150, 0.2181,  
0.3142


 77.6457, 0.2432,  
0.3196


 18.9409, 0.2052,  
0.3109

 101.6068, 0.2489,  
0.3207


 11.6276, 0.1886,  
0.3061


 130.0506, 0.2537,  
0.3215

 6.4906, 0.1661,  
0.2986

 163.3615, 0.2578,  
0.3223

 3.1456, 0.1349,  
0.2858

 201.9239, 0.2615,  
0.3229

 1.2082, 0.0697,  
0.2670

246.1223, 0.2646,

 0.0684, 0.0000,

0.3234

0.0588

296.3409, 0.2674,  
0.3238

0.0000, 0.0000,  
0.0000

41.6342, 0.2282,  
0.3165

41.6342, 0.2282,  
0.3165

40.7489, 0.2237,  
0.3147

42.7461, 0.2346,  
0.3184

40.0560, 0.2210,  
0.3129

44.1047, 0.2428,  
0.3202

39.6900, 0.2199,  
0.3117

45.7326, 0.2529,  
0.3220

47.6491, 0.2646,  
0.3238

49.8713, 0.2776,  
0.3254

■ 52.4152, 0.2918,  
0.3270

■ 55.2955, 0.3068,  
0.3285

■ 58.5261, 0.3224,  
0.3298

■ 62.1201, 0.3381,  
0.3310

# Harmonies

## Analogous

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



41.6342, 0.2594, 0.3690



41.6342, 0.2282, 0.3165



41.6342, 0.2184, 0.2738

# Triad

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



41.6342, 0.2282, 0.3165



41.6342, 0.3122, 0.2624



41.6342, 0.3985, 0.4066

# Complementary

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



41.6342, 0.2282, 0.3165



15.4733, 0.5564, 0.3374

# 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.



41.6342, 0.4168, 0.3716



41.6342, 0.2282, 0.3165



41.6342, 0.3650, 0.2920

# Square

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



41.6342, 0.2282, 0.3165



41.6342, 0.2636, 0.2474



41.6342, 0.4047, 0.3306



41.6342, 0.3574, 0.4236



# Rectangle

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



41.6342, 0.2282, 0.3165



41.6342, 0.2242, 0.2559



41.6342, 0.4047, 0.3306



41.6342, 0.4076, 0.3962

# Sweetspot

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



41.6357, 0.2282, 0.3165



88.9221, 0.2797, 0.3257



41.4420, 0.2994, 0.5539



18.7843, 0.2759, 0.3252



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.



41.6357, 0.2282, 0.3165



71.3056, 0.2218, 0.3135



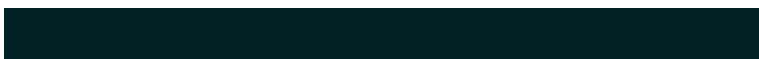
17.6746, 0.1969, 0.1929



11.9641, 0.2984, 0.3277



25.8467, 0.2200, 0.3120



1.2550, 0.2210, 0.3157



# Inverse Universe

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



18.1701, 0.3301, 0.1774



28.5374, 0.3335, 0.1648



28.8251, 0.4726, 0.4232



10.8062, 0.3146, 0.3075



10.1492, 0.3350, 0.1619



0.4837, 0.3318, 0.1601



# Previews

## White Background



This preview shows how the Yxy color 41.6342, 0.2282, 0.3165 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 41.6342, 0.2282, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

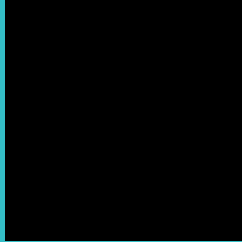
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

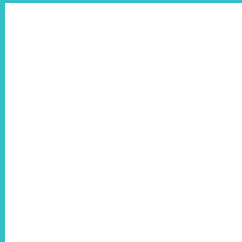
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.6342, 0.2282, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6342, 0.2282, 0.3165.

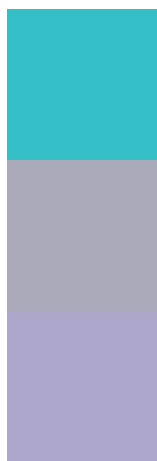


This preview shows how white text looks on a background with the Yxy color 41.6342, 0.2282, 0.3165.

# 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

41.6342, 0.2282, 0.3165

### Protanopia

40.8407, 0.2996, 0.3073

### Deuteranopia

40.8335, 0.2888, 0.2819



## Tritanopia

41.5956, 0.2262, 0.3062

# Trichromacy



## Original Color

41.6342, 0.2282, 0.3165



## Protanomaly

39.6740, 0.2637, 0.3099



## Deuteranomaly

39.5441, 0.2577, 0.2918



## Tritanomaly

41.4437, 0.2265, 0.3091

# Monochromacy



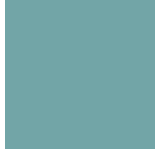
## Original Color

41.6342, 0.2282, 0.3165



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

33.2777, 0.2678, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6342, 0.2282, 0.3165 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(52, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(52, 190, 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(52, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 190, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6342, 0.2282, 0.3165 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(52, 190, 198) }
```

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

```
.border{ border-color:rgb(52, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(52, 190,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6342, 0.2282, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 190, 198) }
```

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

```
.background{ background-color: rgb(52, 190,  
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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