

# Converting Colors

$Yxy(55.1454, 0.2338, 0.3506)$

Have a look what the booklet for  
Yxy(55.1454, 0.2338, 0.3506)  
contains.

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# Color

**Yxy(55.3681, 0.2341, 0.3516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25DBC B
RGB	37, 219, 203
RGB Percent	15%, 86%, 80%
CMY	0.8561, 0.1411, 0.2039
CMYK	0.83, 0.00, 0.07, 0.14
HSL	175°, 72%, 50%
HSV	175°, 83%, 86%
XYZ	36.8648, 55.3681, 65.2418
YIQ	162.7580, -103.3360, -43.5600

# Conversions

## Conversions Part 2

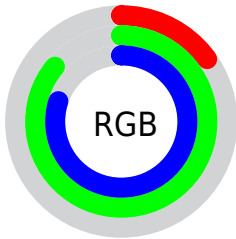
Format	Color
<a href="#">RYB</a>	<a href="#">37, 132, 219</a>
Decimal	<a href="#">2481099</a>
CIELab	<a href="#">79.25, -45.94, -4.38</a>
CIELCh	<a href="#">79, 46.144, 185.449</a>
Yxy	<a href="#">55.3681, 0.2341, 0.3516</a>
Android (android.graphics.Color)	<a href="#">4280671179 (0xFF25DBC B)</a>
YUV	<a href="#">162.7580, 19.8393, -110.2898</a>
Hunter-Lab	<a href="#">74.4097, -41.7828, 0.1019</a>

# Details

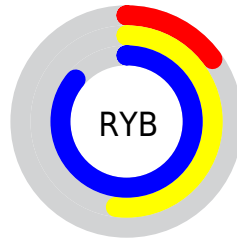
The Yxy color **55.3681, 0.2341, 0.3516** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6204, 0.5860, 0.3193**, and the grayscale version is **36.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **28.3643, 0.2321, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **54.9913, 0.2326, 0.3546**, and if you desaturate by 10%, it is **55.9922, 0.2374, 0.3486**.

# Distribution



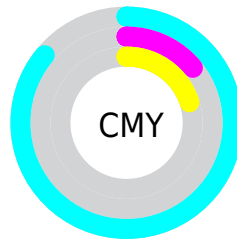
- Red (15%)
- Green (86%)
- Blue (80%)



- Red (15%)
- Yellow (52%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)




- Cyan (86%)
- Magenta (14%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3681, 0.2341, 0.3516 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 55.3681, 0.2341, 0.3516 by changing the saturation by 10% instead.





 55.3681, 0.2341,  
0.3516


 55.3681, 0.2341,  
0.3516


407.3058, 0.2716,  
0.3413


 39.6965, 0.2253,  
0.3539


 98.0801, 0.2473,  
0.3481


 27.3020, 0.2144,  
0.3566


 125.8892, 0.2524,  
0.3467


 17.8002, 0.2004,  
0.3600


 158.5131, 0.2567,  
0.3455

 10.8066, 0.1820,  
0.3642

 196.3359, 0.2605,  
0.3444

 5.9369, 0.1569,  
0.3693

 239.7422, 0.2638,  
0.3435

 2.8068, 0.1212,  
0.3753

289.1164, 0.2667,


 1.0317, 0.0000,


0.3427


0.4079


344.8428, 0.2693,  
0.3420


 0.0000, 0.0000,  
0.0000


 55.3681, 0.2341,  
0.3516


 55.3681, 0.2341,  
0.3516


 54.9913, 0.2326,  
0.3546

 55.9922, 0.2374,  
0.3486

 54.8306, 0.2324,  
0.3566

 56.8953, 0.2425,  
0.3456

 58.1107, 0.2496,  
0.3426

 59.6656, 0.2586,  
0.3397

 61.5844, 0.2691,  
0.3370

■ 63.8890, 0.2811,  
0.3344

■ 66.5996, 0.2942,  
0.3319

■ 69.7352, 0.3081,  
0.3297

■ 73.3134, 0.3225,  
0.3277

# Harmonies

## Analogous

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



55.3681, 0.2821, 0.4102



55.3681, 0.2341, 0.3516



55.3681, 0.2080, 0.2920

# Triad

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



55.3681, 0.2341, 0.3516



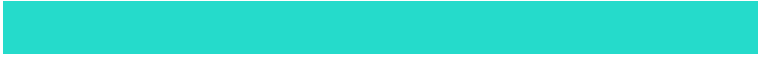
55.3681, 0.2755, 0.2398



55.3681, 0.4293, 0.3938

# Complementary

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



55.3681, 0.2341, 0.3516



16.6204, 0.5860, 0.3193

# 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.



55.3681, 0.4300, 0.3479



55.3681, 0.2341, 0.3516



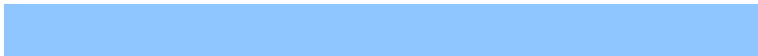
55.3681, 0.3359, 0.2639

# Square

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



55.3681, 0.2341, 0.3516



55.3681, 0.2302, 0.2346



55.3681, 0.3947, 0.3021



55.3681, 0.3955, 0.4297

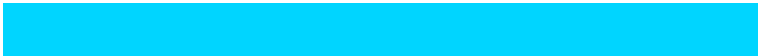


# Rectangle

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



55.3681, 0.2341, 0.3516



55.3681, 0.2046, 0.2622



55.3681, 0.3947, 0.3021



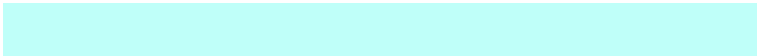
55.3681, 0.4336, 0.3790

# Sweetspot

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



55.3702, 0.2341, 0.3516



89.4933, 0.2786, 0.3349



51.6125, 0.3057, 0.5793



18.9032, 0.2743, 0.3358



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.



55.3702, 0.2341, 0.3516



77.3803, 0.2325, 0.3568



26.0863, 0.1974, 0.2161



14.8088, 0.2994, 0.3310



32.5152, 0.2323, 0.3561



2.1124, 0.2309, 0.3513



# Inverse Universe

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



16.6204, 0.5860, 0.3193



21.3195, 0.6326, 0.3259



26.2635, 0.5292, 0.3962



13.0700, 0.3278, 0.3270



8.9651, 0.6297, 0.3242

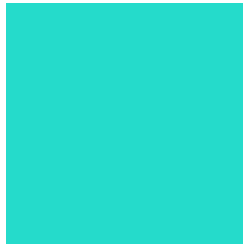


0.5874, 0.6021, 0.3091



# Previews

## White Background



This preview shows how the Yxy color 55.3681, 0.2341, 0.3516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

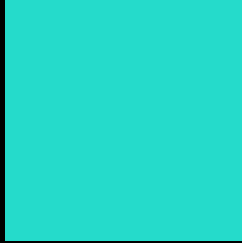
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3681, 0.2341, 0.3516 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

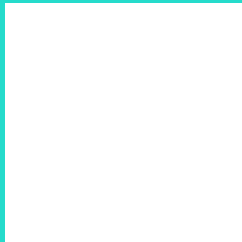
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3681, 0.2341, 0.3516**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3681, 0.2341, 0.3516.

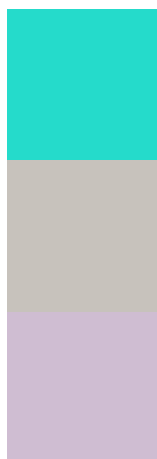


This preview shows how white text looks on a background with the Yxy color 55.3681, 0.2341, 0.3516.

# 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

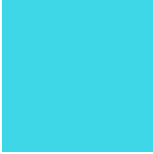
55.3681, 0.2341, 0.3516

### Protanopia

54.3565, 0.3213, 0.3363

### Deuteranopia

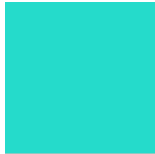
54.3137, 0.3114, 0.3044



## **Tritanopia**

55.4512, 0.2255, 0.3060

# Trichromacy



## Original Color

55.3681, 0.2341, 0.3516



## Protanomaly

52.1376, 0.2745, 0.3425



## Deuteranomaly

51.8333, 0.2688, 0.3196



## Tritanomaly

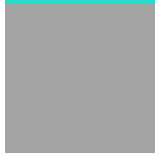
55.0891, 0.2283, 0.3219

# Monochromacy



## Original Color

55.3681, 0.2341, 0.3516



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

40.8632, 0.2659, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3681, 0.2341, 0.3516 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(37, 219, 203)` looks like.

```
.text, #text, p{  
  color:rgb(37, 219, 203)  
}
```

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(37, 219, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 219, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3681, 0.2341, 0.3516 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(37, 219, 203) }
```

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

```
.border{ border-color:rgb(37, 219, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 219, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 219, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 219, 203);  
box-shadow:4px 4px 4px 4px rgb(37, 219,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3681, 0.2341, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 219, 203) }
```

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

```
.background{ background-color: rgb(37, 219,  
203) }
```

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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