

# Converting Colors

$Y_{xy}(43.3400, 0.2524, 0.3267)$

Have a look what the booklet for  
Yxy(43.3400, 0.2524, 0.3267)  
contains.

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# Color

**Yxy(43.1600, 0.2524, 0.3259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69BDBF
RGB	105, 189, 191
RGB Percent	41%, 74%, 75%
CMY	0.5882, 0.2588, 0.2511
CMYK	0.45, 0.01, 0.00, 0.25
HSL	181°, 40%, 58%
HSV	181°, 45%, 75%
XYZ	33.4262, 43.1600, 55.8471
YIQ	164.1120, -50.7060, -17.1860

# Conversions

## Conversions Part 2

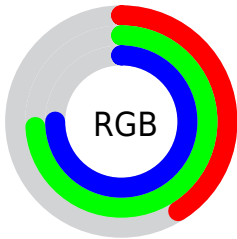
Format	Color
<a href="#">RYB</a>	<a href="#">105, 147, 191</a>
Decimal	<a href="#">6929855</a>
CIELab	<a href="#">71.66, -24.93, -8.95</a>
CIELCh	<a href="#">72, 26.490, 199.749</a>
Yxy	<a href="#">43.1600, 0.2524, 0.3259</a>
Android (android.graphics.Color)	<a href="#">4285119935</a> ( <a href="#">0xFF69BDBF</a> )
YUV	<a href="#">164.1120, 13.2558, -51.8412</a>
Hunter-Lab	<a href="#">65.6963, -24.1480, -4.4139</a>

# Details

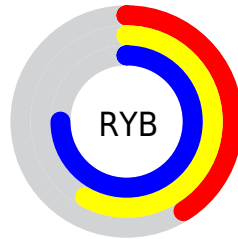
The Yxy color **43.1600, 0.2524, 0.3259** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.6070, 0.4302, 0.3321**, and the grayscale version is **37.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2040, 0.2633, 0.3277**, and **19.7673, 0.2353, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **41.9434, 0.2429, 0.3251**, and if you desaturate by 10%, it is **44.6402, 0.2636, 0.3267**.

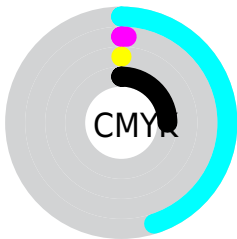
# Distribution



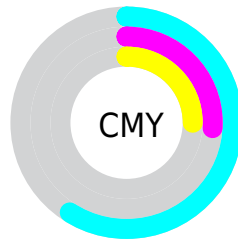
- Red (41%)
- Green (74%)
- Blue (75%)



- Red (41%)
- Yellow (58%)
- Blue (75%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (59%)
- Magenta (26%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1600, 0.2524, 0.3259 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 43.1600, 0.2524, 0.3259 by changing the saturation by 10% instead.




 43.1600, 0.2524,  
0.3259


 43.1600, 0.2524,  
0.3259

359.2694, 0.2824,  
0.3281


 30.0107, 0.2450,  
0.3251


 79.9522, 0.2632,  
0.3269

 19.8467, 0.2356,  
0.3240


 104.3640, 0.2673,  
0.3272

 12.2837, 0.2231,  
0.3223


 133.2986, 0.2708,  
0.3274

 6.9372, 0.2060,  
0.3195

 167.1405, 0.2738,  
0.3276

 3.4228, 0.1812,  
0.3144

206.2742, 0.2763,  
0.3278

 1.3563, 0.1391,  
0.3049

251.0840, 0.2786,

 0.1842, 0.0000,

0.3279

0.1822

301.9542, 0.2806,  
0.3280

0.0000, 0.0000,  
0.0000

43.1600, 0.2524,  
0.3259

43.1600, 0.2524,  
0.3259

41.9434, 0.2429,  
0.3251

44.6402, 0.2636,  
0.3267

40.9678, 0.2353,  
0.3244

46.3949, 0.2763,  
0.3274

40.2151, 0.2295,  
0.3236


48.4405, 0.2902,  
0.3281


39.6624, 0.2256,  
0.3228

50.7906, 0.3050,  
0.3287

39.2818, 0.2234,  
0.3221


53.4580, 0.3205,  
0.3293

 39.1276, 0.2227,  
0.3217

 56.4548, 0.3363,  
0.3298

 59.7923, 0.3523,  
0.3303

 62.9472, 0.3657,  
0.3308

 63.1410, 0.3656,  
0.3312

# Harmonies

## Analogous

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



43.1600, 0.2782, 0.3627



43.1600, 0.2524, 0.3259



43.1600, 0.2423, 0.2929

# Triad

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



43.1600, 0.2524, 0.3259



43.1600, 0.3075, 0.2767



43.1600, 0.3789, 0.3841

# Complementary

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



43.1600, 0.2524, 0.3259



22.6070, 0.4302, 0.3321

# 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.



43.1600, 0.3886, 0.3580



43.1600, 0.2524, 0.3259



43.1600, 0.3461, 0.2981

# Square

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



43.1600, 0.2524, 0.3259



43.1600, 0.2726, 0.2673



43.1600, 0.3765, 0.3270



43.1600, 0.3512, 0.3971



# Rectangle

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



43.1600, 0.2524, 0.3259



43.1600, 0.2451, 0.2776



43.1600, 0.3765, 0.3270



43.1600, 0.3845, 0.3764

# Sweetspot

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



43.1617, 0.2524, 0.3259



87.0905, 0.2913, 0.3281



41.3070, 0.3053, 0.4658



18.9363, 0.2882, 0.3280



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.



43.1617, 0.2524, 0.3259



75.1694, 0.2430, 0.3251



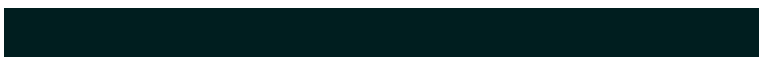
27.4967, 0.2407, 0.2586



10.7709, 0.2985, 0.3284



25.7372, 0.2227, 0.3218



1.0202, 0.2232, 0.3236



# Inverse Universe

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



24.8538, 0.3200, 0.2226



38.3718, 0.3215, 0.2028



33.7250, 0.4023, 0.3894



9.6924, 0.3141, 0.3069



9.6279, 0.3267, 0.1573

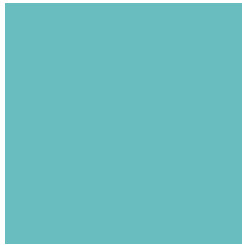


0.3783, 0.3252, 0.1565



# Previews

## White Background



This preview shows how the Yxy color 43.1600, 0.2524, 0.3259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

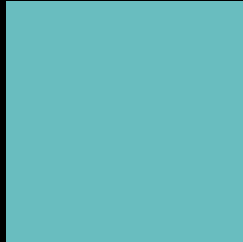
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1600, 0.2524, 0.3259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

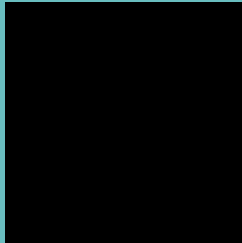
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

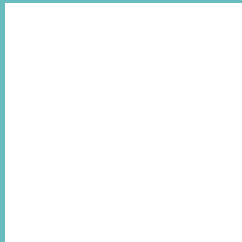
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.1600, 0.2524, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1600, 0.2524, 0.3259.



This preview shows how white text looks on a background with the Yxy color 43.1600, 0.2524, 0.3259.

# 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

43.1600, 0.2524, 0.3259

### Protanopia

42.8796, 0.3080, 0.3183

### Deuteranopia

42.6347, 0.3028, 0.2967



## Tritanopia

42.9931, 0.2473, 0.3072

# Trichromacy



**Original Color**

43.1600, 0.2524, 0.3259

**Protanomaly**

42.2270, 0.2843, 0.3205

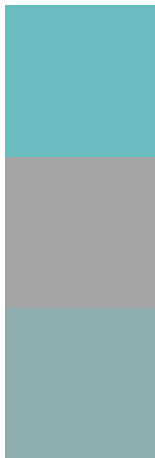
**Deuteranomaly**

42.2093, 0.2808, 0.3056

**Tritanomaly**

43.1695, 0.2493, 0.3143

# Monochromacy



**Original Color**

43.1600, 0.2524, 0.3259

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.7828, 0.2863, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1600, 0.2524, 0.3259 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(105, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 189, 191)  
}
```

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(105, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 189, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1600, 0.2524, 0.3259 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(105, 189, 191) }
```

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

```
.border{ border-color:rgb(105, 189, 191) }
```

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

Here you see how a box with a 4 pixel rgb(105, 189, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 189,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1600, 0.2524, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 189, 191) }
```

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

```
.background{ background-color: rgb(105,  
189, 191) }
```

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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