

# Converting Colors

$Y_{xy}(41.7293, 0.2248, 0.2913)$

Have a look what the booklet for  
Yxy(41.7293, 0.2248, 0.2913)  
contains.

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# Color

**Yxy(41.5380, 0.2246, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43BBD5
RGB	67, 187, 213
RGB Percent	26%, 73%, 84%
CMY	0.7372, 0.2666, 0.1648
CMYK	0.69, 0.12, 0.00, 0.16
HSL	191°, 63%, 55%
HSV	191°, 69%, 84%
XYZ	32.0930, 41.5380, 69.2586
YIQ	154.0840, -79.8660, -17.3540

# Conversions

## Conversions Part 2

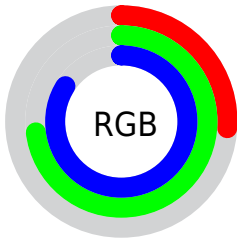
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 133, 213
Decimal	4438997
CIELab	70.55, -24.89, -22.78
CIElCh	71, 33.741, 222.457
Yxy	41.5380, 0.2246, 0.2907
Android (android.graphics.Color)	4282629077 (0xFF43BBD5)
YUV	154.0840, 29.0456, -76.3727
Hunter-Lab	64.4500, -23.9030, -18.5986

# Details

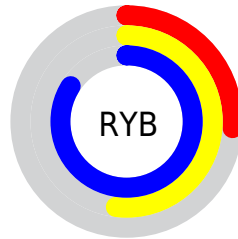
The Yxy color **41.5380, 0.2246, 0.2907** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **22.3742, 0.5164, 0.3571**, and the grayscale version is **32.2524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2267, 0.2463, 0.3150**, and **19.2437, 0.2107, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **39.3332, 0.2175, 0.2843**, and if you desaturate by 10%, it is **44.0649, 0.2336, 0.2971**.

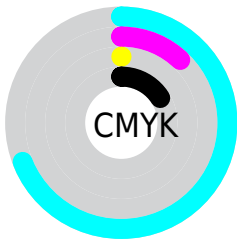
# Distribution



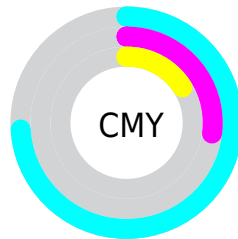
- Red (26%)
- Green (73%)
- Blue (84%)



- Red (26%)
- Yellow (52%)
- Blue (84%)



- Cyan (69%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)




- Cyan (74%)
- Magenta (27%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5380, 0.2246, 0.2907 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 41.5380, 0.2246, 0.2907 by changing the saturation by 10% instead.





 41.5380, 0.2246,  
0.2907

 41.5380, 0.2246,  
0.2907


352.5642, 0.2678,  
0.3113

 28.7397, 0.2142,  
0.2852


 77.4999, 0.2400,  
0.2985


 18.8840, 0.2012,  
0.2779


 101.4323, 0.2459,  
0.3013

 11.5865, 0.1844,  
0.2680


 129.8449, 0.2509,  
0.3037

 6.4628, 0.1620,  
0.2536

 163.1221, 0.2552,  
0.3057

 3.1285, 0.1315,  
0.2318

201.6482, 0.2590,  
0.3074

 1.1992, 0.0826,  
0.1970

245.8076, 0.2623,

 0.0610, 0.0000,

0.3089

0.0321

295.9848, 0.2652,  
0.3102

■ 0.0000, 0.0000,  
0.0000

■ 41.5380, 0.2246,  
0.2907

■ 41.5380, 0.2246,  
0.2907

■ 39.3332, 0.2175,  
0.2843

■ 44.0649, 0.2336,  
0.2971

■ 37.4136, 0.2124,  
0.2778

■ 46.9369, 0.2443,  
0.3033

■ 35.7315, 0.2089,  
0.2715

■ 50.1798, 0.2566,  
0.3093

■ 35.4942, 0.2085,  
0.2706

■ 53.8155, 0.2701,  
0.3150

■ 57.8640, 0.2846,  
0.3203

■ 62.3439, 0.2996,  
0.3252

■ 67.2726, 0.3150,  
0.3296

■ 72.6663, 0.3304,  
0.3336

■ 77.8330, 0.3429,  
0.3373

# Harmonies

## Analogous

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



41.5380, 0.2420, 0.3360



41.5380, 0.2246, 0.2907



41.5380, 0.2284, 0.2611

# Triad

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



41.5380, 0.2246, 0.2907



41.5380, 0.3436, 0.2821



41.5380, 0.3716, 0.4148

# Complementary

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



41.5380, 0.2246, 0.2907



22.3742, 0.5164, 0.3571

# 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.



41.5380, 0.4031, 0.3913



41.5380, 0.2246, 0.2907



41.5380, 0.3874, 0.3162

# Square

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



41.5380, 0.2246, 0.2907



41.5380, 0.2938, 0.2587



41.5380, 0.4097, 0.3551



41.5380, 0.3256, 0.4138



# Rectangle

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



41.5380, 0.2246, 0.2907



41.5380, 0.2424, 0.2520



41.5380, 0.4097, 0.3551



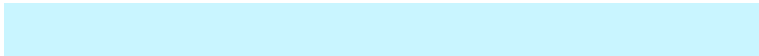
41.5380, 0.3843, 0.4091

# Sweetspot

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



41.5395, 0.2246, 0.2907



85.2909, 0.2806, 0.3189



49.5305, 0.2930, 0.5181



17.8889, 0.2766, 0.3174



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.



41.5395, 0.2246, 0.2907



57.8358, 0.2151, 0.2815



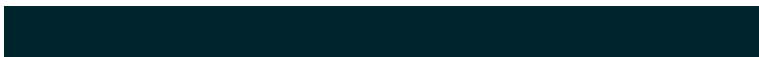
18.4117, 0.1968, 0.1764



13.7145, 0.2983, 0.3248



21.8231, 0.2088, 0.2715



1.4169, 0.2118, 0.2825



# Inverse Universe

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



21.7468, 0.3513, 0.1989



28.2575, 0.3611, 0.1861



41.2140, 0.4442, 0.4382



12.5930, 0.3165, 0.3100



10.5479, 0.3714, 0.1820

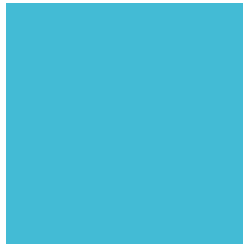


0.6464, 0.3612, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 41.5380, 0.2246, 0.2907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

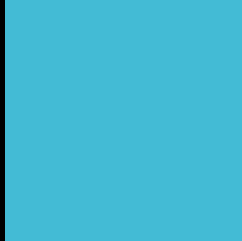
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5380, 0.2246, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

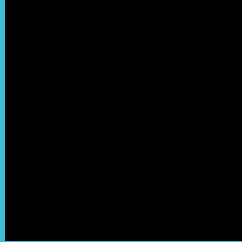
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.5380, 0.2246, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5380, 0.2246, 0.2907.



This preview shows how white text looks on a background with the Yxy color 41.5380, 0.2246, 0.2907.

# 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

41.5380, 0.2246, 0.2907

### Protanopia

40.9658, 0.2839, 0.2876

### Deuteranopia

40.9075, 0.2715, 0.2655



## Tritanopia

41.7790, 0.2279, 0.3063

# Trichromacy



## Original Color

41.5380, 0.2246, 0.2907

## Protanomaly

40.1256, 0.2555, 0.2879

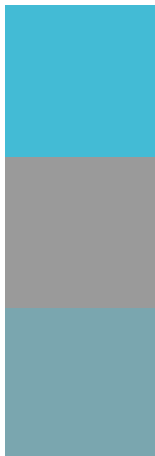
## Deuteranomaly

40.2849, 0.2487, 0.2724

## Tritanomaly

41.5614, 0.2267, 0.3005

# Monochromacy



## Original Color

41.5380, 0.2246, 0.2907

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

34.5052, 0.2683, 0.3149

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5380, 0.2246, 0.2907 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(67, 187, 213)` looks like.

```
.text, #text, p{  
    color:rgb(67, 187, 213)  
}
```

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(67, 187, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 187, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5380, 0.2246, 0.2907 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(67, 187, 213) }
```

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

```
.border{ border-color:rgb(67, 187, 213) }
```

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

Here you see how a box with a 4 pixel rgb(67, 187, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 187, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 187, 213);  
box-shadow:4px 4px 4px 4px rgb(67, 187,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5380, 0.2246, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 187, 213) }
```

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

```
.background{ background-color: rgb(67, 187,  
213) }
```

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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