

# Converting Colors

Yxy(35.0077, 0.2332, 0.3143)

Have a look what the booklet for  
Yxy(35.0077, 0.2332, 0.3143)  
contains.

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# Color

**Yxy(34.8148, 0.2334, 0.3141)**

# Conversions

Conversions Part 1	
Format	Color
Hex	41AEB7
RGB	65, 174, 183
RGB Percent	25%, 68%, 72%
CMY	0.7445, 0.3177, 0.2824
CMYK	0.64, 0.05, 0.00, 0.28
HSL	185°, 47%, 49%
HSV	185°, 64%, 72%
XYZ	25.8700, 34.8148, 50.1550
YIQ	142.4350, -67.8530, -20.3090

# Conversions

## Conversions Part 2

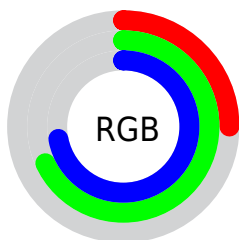
Format	Color
<a href="#">RYB</a>	<a href="#">65, 122, 183</a>
Decimal	<a href="#">4304567</a>
CIELab	<a href="#">65.60, -27.71, -13.76</a>
CIELCh	<a href="#">66, 30.939, 206.413</a>
Yxy	<a href="#">34.8148, 0.2334, 0.3141</a>
Android (android.graphics.Color)	<a href="#">4282494647</a> (0xFF41AEB7)
YUV	<a href="#">142.4350, 19.9985, -67.9105</a>
Hunter-Lab	<a href="#">59.0041, -24.9947, -9.0952</a>

# Details

The Yxy color **34.8148, 0.2334, 0.3141** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3690, 0.5088, 0.3408**, and the grayscale version is **27.1867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2612, 0.2480, 0.3178**, and **15.2865, 0.2189, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **33.7503, 0.2268, 0.3115**, and if you desaturate by 10%, it is **36.0900, 0.2418, 0.3167**.

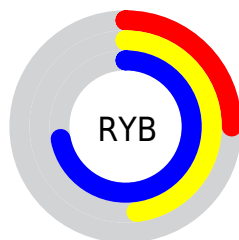
# Distribution



Red (25%)

Green (68%)

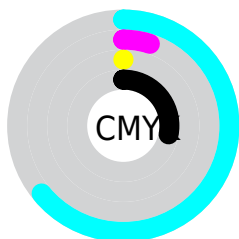
Blue (72%)



Red (25%)

Yellow (48%)

Blue (72%)

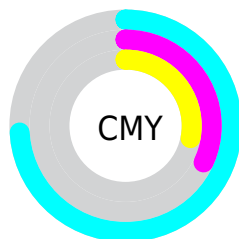


Cyan (64%)

Magenta (5%)

Yellow (0%)

Black (28%)



Cyan (74%)

Magenta (32%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8148, 0.2334, 0.3141 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 34.8148, 0.2334, 0.3141 by changing the saturation by 10% instead.





 34.8148, 0.2334,  
0.3141


 34.8148, 0.2334,  
0.3141


323.7501, 0.2738,  
0.3230

 23.5202, 0.2232,  
0.3113


 67.1988, 0.2482,  
0.3177

 14.9781, 0.2100,  
0.3075


 89.0570, 0.2537,  
0.3190


 8.8040, 0.1924,  
0.3018


 115.2052, 0.2584,  
0.3200

 4.6136, 0.1681,  
0.2926

 146.0278, 0.2624,  
0.3208

 2.0224, 0.1327,  
0.2762

 181.9092, 0.2658,  
0.3215

 0.6204, 0.0000,  
0.2556

223.2338, 0.2688,

 0.0000, 0.0000,

0.3221

0.0000


270.3860, 0.2715,  
0.3226


 34.8148, 0.2334,  
0.3141


 34.8148, 0.2334,  
0.3141

 33.7503, 0.2268,  
0.3115

 36.0900, 0.2418,  
0.3167


 32.8722, 0.2222,  
0.3089


 37.5895, 0.2520,  
0.3192


 32.1572, 0.2192,  
0.3064

 39.3306, 0.2638,  
0.3216


 31.7987, 0.2181,  
0.3050


 41.3273, 0.2769,  
0.3240

 43.5930, 0.2911,  
0.3261

 46.1399, 0.3060,  
0.3282

 48.9794, 0.3214,  
0.3300

 52.1225, 0.3370,  
0.3317

 55.5793, 0.3526,  
0.3332

# Harmonies

## Analogous

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



34.8148, 0.2608, 0.3615



34.8148, 0.2334, 0.3141



34.8148, 0.2260, 0.2761

# Triad

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



34.8148, 0.2334, 0.3141



34.8148, 0.3166, 0.2694



34.8148, 0.3890, 0.4026

# Complementary

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



34.8148, 0.2334, 0.3141



15.3690, 0.5088, 0.3408

# 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.



34.8148, 0.4075, 0.3718



34.8148, 0.2334, 0.3141



34.8148, 0.3643, 0.2978

# Square

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



34.8148, 0.2334, 0.3141



34.8148, 0.2711, 0.2542



34.8148, 0.3987, 0.3341



34.8148, 0.3503, 0.4154



# Rectangle

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



34.8148, 0.2334, 0.3141



34.8148, 0.2325, 0.2604



34.8148, 0.3987, 0.3341



34.8148, 0.3979, 0.3937

# Sweetspot

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



34.8161, 0.2334, 0.3141



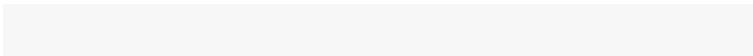
76.0198, 0.2840, 0.3251



35.4765, 0.2994, 0.5226



16.5388, 0.2800, 0.3245



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



34.8161, 0.2334, 0.3141



59.8003, 0.2248, 0.3105



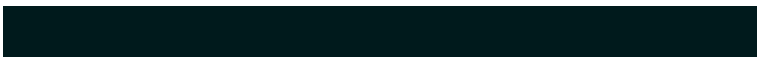
17.0885, 0.2092, 0.2102



10.0900, 0.2985, 0.3272



22.2286, 0.2181, 0.3053



0.8187, 0.2200, 0.3118



# Inverse Universe

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



16.9203, 0.3312, 0.1928



26.0577, 0.3354, 0.1760



26.9341, 0.4463, 0.4184



9.1506, 0.3149, 0.3082



9.0263, 0.3408, 0.1651



0.3217, 0.3351, 0.1620



# Previews

## White Background



This preview shows how the Yxy color 34.8148, 0.2334, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

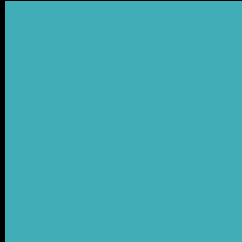
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8148, 0.2334, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

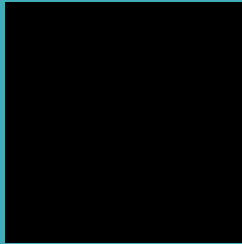
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

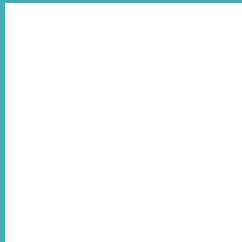
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 34.8148, 0.2334, 0.3141**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8148, 0.2334, 0.3141.

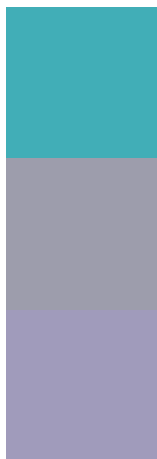


This preview shows how white text looks on a background with the Yxy color 34.8148, 0.2334, 0.3141.

# 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

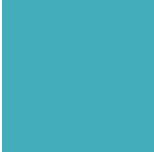
34.8148, 0.2334, 0.3141

### Protanopia

34.2606, 0.2995, 0.3071

### Deuteranopia

34.5041, 0.2896, 0.2840



## Tritanopia

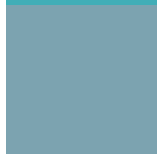
34.6683, 0.2317, 0.3062

# Trichromacy



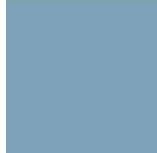
## Original Color

34.8148, 0.2334, 0.3141



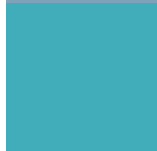
## Protanomaly

33.6141, 0.2686, 0.3087



## Deuteranomaly

33.8215, 0.2629, 0.2926



## Tritanomaly

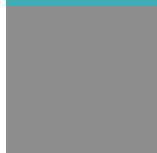
34.5906, 0.2318, 0.3077

# Monochromacy



## Original Color

34.8148, 0.2334, 0.3141



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

29.1229, 0.2733, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8148, 0.2334, 0.3141 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(65, 174, 183) looks like.

```
.text, #text, p{  
    color:rgb(65, 174, 183)  
}
```

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(65, 174, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 174, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8148, 0.2334, 0.3141 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(65, 174, 183) }
```

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

```
.border{ border-color:rgb(65, 174, 183) }
```

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

Here you see how a box with a 4 pixel rgb(65, 174, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 174, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 174, 183);  
box-shadow:4px 4px 4px 4px rgb(65, 174,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8148, 0.2334, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 174, 183) }
```

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

```
.background{ background-color: rgb(65, 174,  
183) }
```

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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