

# Converting Colors

$Yxy(31.4735, 0.1662, 0.2435)$

Have a look what the booklet for  
Yxy(31.4735, 0.1662, 0.2435)  
contains.

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# Color

**Yxy(34.9413, 0.2028, 0.2500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00ACE1
RGB	0, 172, 225
RGB Percent	0%, 67%, 88%
CMY	0.9989, 0.3255, 0.1177
CMYK	1.00, 0.24, 0.00, 0.12
HSL	194°, 100%, 44%
HSV	194°, 100%, 88%
XYZ	28.3444, 34.9413, 76.4795
YIQ	126.6140, -119.5250, -19.9810

# Conversions

## Conversions Part 2

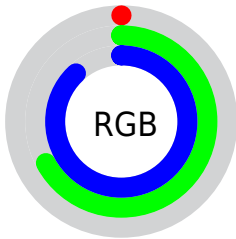
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 97, 225
Decimal	44257
CIELab	65.70, -18.12, -36.92
CIELCh	66, 41.122, 243.860
Yxy	34.9413, 0.2028, 0.2500
Android (android.graphics.Color)	4278234337 (0xFF00ACE1)
YUV	126.6140, 48.5043, -111.0405
Hunter-Lab	59.1112, -17.8520, -35.3331

# Details

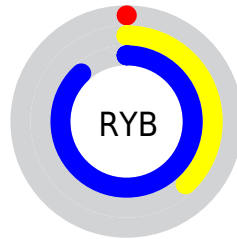
The Yxy color **34.9413, 0.2028, 0.2500** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **18.5780, 0.6124, 0.3518**, and the grayscale version is **20.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2223, 0.2327, 0.2949**, and **16.2975, 0.1979, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **34.9160, 0.2028, 0.2499**, and if you desaturate by 10%, it is **37.1804, 0.2068, 0.2587**.

# Distribution



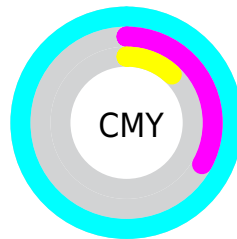
- Red (0%)
- Green (67%)
- Blue (88%)



- Red (0%)
- Yellow (38%)
- Blue (88%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (33%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9413, 0.2028, 0.2500 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 34.9413, 0.2028, 0.2500 by changing the saturation by 10% instead.





 34.9413, 0.2028,  
0.2500


 34.9413, 0.2028,  
0.2500


324.3092, 0.2571,  
0.2914


 23.6177, 0.1898,  
0.2394


 67.3948, 0.2222,  
0.2653


 15.0502, 0.1736,  
0.2257


 89.2935, 0.2296,  
0.2710


 8.8547, 0.1530,  
0.2076


 115.4860, 0.2359,  
0.2758

 4.6465, 0.1264,  
0.1830

 146.3566, 0.2413,  
0.2799

 2.0414, 0.0920,  
0.1484

 182.2899, 0.2461,  
0.2834

 0.6314, 0.0247,  
0.0990

223.6701, 0.2502,

 0.0000, 0.0000,

0.2864

0.0000

270.8818, 0.2539,  
0.2891

■ 34.9413, 0.2028,  
0.2500

■ 34.9413, 0.2028,  
0.2500

■ 34.9160, 0.2028,  
0.2499

■ 37.1804, 0.2068,  
0.2587

■ 39.7068, 0.2124,  
0.2674

■ 42.5878, 0.2200,  
0.2762

■ 45.8619, 0.2296,  
0.2849

■ 49.5620, 0.2409,  
0.2934

■ 53.7167, 0.2537,  
0.3016

■ 58.3519, 0.2676,  
0.3093

■ 63.4913, 0.2823,  
0.3165

■ 69.1569, 0.2975,  
0.3231

# Harmonies

## Analogous

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



34.9413, 0.2052, 0.2932



34.9413, 0.2028, 0.2500



34.9413, 0.2254, 0.2316

# Triad

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



34.9413, 0.2028, 0.2500



34.9413, 0.3950, 0.2986



34.9413, 0.3452, 0.4444

# Complementary

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



34.9413, 0.2028, 0.2500



18.5780, 0.6124, 0.3518

# 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.



34.9413, 0.4008, 0.4318



34.9413, 0.2028, 0.2500



34.9413, 0.4335, 0.3456

# Square

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



34.9413, 0.2028, 0.2500



34.9413, 0.3332, 0.2599



34.9413, 0.4346, 0.3933



34.9413, 0.2838, 0.4163



# Rectangle

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



34.9413, 0.2028, 0.2500



34.9413, 0.2535, 0.2322



34.9413, 0.4346, 0.3933



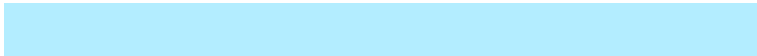
34.9413, 0.3652, 0.4443

# Sweetspot

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



34.9425, 0.2028, 0.2500



77.2890, 0.2671, 0.3090



54.1033, 0.2933, 0.5756



15.9684, 0.2611, 0.3058



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

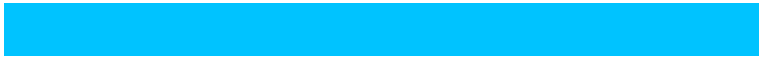


# Same Dimension

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



34.9425, 0.2028, 0.2500



46.1894, 0.2026, 0.2493



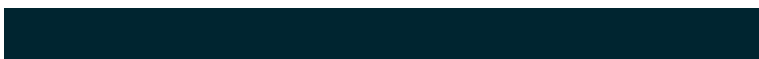
8.6904, 0.1585, 0.0905



14.9957, 0.2982, 0.3233



20.3092, 0.2031, 0.2513



1.5418, 0.2068, 0.2646



# Inverse Universe

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



18.9911, 0.3922, 0.1935



25.1940, 0.3929, 0.1938



42.9423, 0.4766, 0.4597



13.8775, 0.3174, 0.3113



10.9583, 0.3910, 0.1928



0.7731, 0.3779, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 34.9413, 0.2028, 0.2500 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 34.9413, 0.2028, 0.2500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

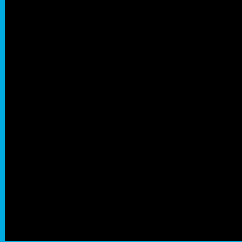
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.9413, 0.2028, 0.2500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.9413, 0.2028, 0.2500.



This preview shows how white text looks on a background with the Yxy color 34.9413, 0.2028, 0.2500.

# 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

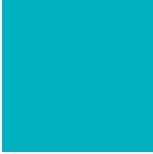
34.9413, 0.2028, 0.2500

### Protanopia

34.7577, 0.2566, 0.2520

### Deuteranopia

34.5407, 0.2391, 0.2331



## **Tritanopia**

34.7684, 0.2183, 0.3058

# Trichromacy



## Original Color

34.9413, 0.2028, 0.2500



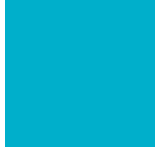
## Protanomaly

33.0746, 0.2233, 0.2481



## Deuteranomaly

33.2257, 0.2152, 0.2355



## Tritanomaly

34.9717, 0.2123, 0.2844

# Monochromacy



## Original Color

34.9413, 0.2028, 0.2500



## Achromatopsia

21.2231, 0.3127, 0.3290



## Achromatomaly

24.0386, 0.2415, 0.2928

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.9413, 0.2028, 0.2500 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(0, 172, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 225)  
}
```

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(0, 172, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 34.9413, 0.2028, 0.2500 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(0, 172, 225) }
```

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

```
.border{ border-color:rgb(0, 172, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.9413, 0.2028, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 225) }
```

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

```
.background{ background-color: rgb(0, 172,  
225) }
```

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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