

# Converting Colors

$Yxy(65.2372, 0.2918, 0.3734)$

Have a look what the booklet for  
Yxy(65.2372, 0.2918, 0.3734)  
contains.

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# Color

**Yxy(65.1452, 0.2915, 0.3730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E1BE
RGB	161, 225, 190
RGB Percent	63%, 88%, 75%
CMY	0.3687, 0.1176, 0.2550
CMYK	0.28, 0.00, 0.16, 0.12
HSL	147°, 52%, 76%
HSV	147°, 28%, 88%
XYZ	50.9111, 65.1452, 58.5957
YIQ	201.8740, -26.9090, -24.4530

# Conversions

## Conversions Part 2

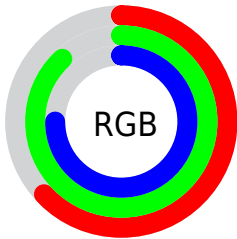
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 205, 225
Decimal	10609086
CIELab	84.56, -27.38, 10.70
CIELCh	85, 29.393, 158.657
Yxy	65.1452, 0.2915, 0.3730
Android (android.graphics.Color)	4288799166 (0xFFA1E1BE)
YUV	201.8740, -5.8539, -35.8465
Hunter-Lab	80.7126, -28.6546, 13.4554

# Details

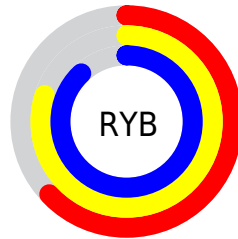
The Yxy color **65.1452, 0.2915, 0.3730** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.4742, 0.3415, 0.2889**, and the grayscale version is **59.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9255, 0.2948, 0.3382**, and **33.3702, 0.2859, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **62.5017, 0.2850, 0.3916**, and if you desaturate by 10%, it is **68.2602, 0.2987, 0.3560**.

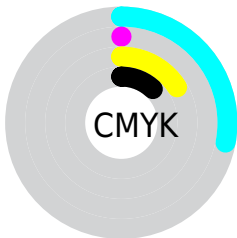
# Distribution



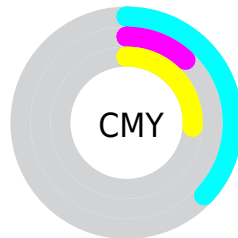
- Red (63%)
- Green (88%)
- Blue (75%)



- Red (63%)
- Yellow (80%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (37%)
- Magenta (12%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1452, 0.2915, 0.3730 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 65.1452, 0.2915, 0.3730 by changing the saturation by 10% instead.




 65.1452, 0.2915,  
0.3730

 65.1452, 0.2915,  
0.3730

443.3136, 0.3018,  
0.3516

 47.5788, 0.2890,  
0.3782


 112.2586, 0.2952,  
0.3653

 33.4935, 0.2858,  
0.3848


 142.5744, 0.2966,  
0.3624

 22.5047, 0.2817,  
0.3933


177.9088, 0.2978,  
0.3599

 14.2282, 0.2761,  
0.4050

218.6462, 0.2988,  
0.3578

 8.2796, 0.2680,  
0.4218

265.1710, 0.2997,  
0.3559

 4.2744, 0.2555,  
0.4481

317.8675, 0.3005,

 1.8282, 0.2335,

0.3543

0.4942

377.1203, 0.3012,  
0.3529

■ 0.5047, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.1452, 0.2915,  
0.3730

■ 65.1452, 0.2915,  
0.3730

■ 62.5017, 0.2850,  
0.3916

■ 68.2602, 0.2987,  
0.3560

■ 60.2978, 0.2795,  
0.4116


■ 71.8605, 0.3062,  
0.3407


■ 58.5105, 0.2754,  
0.4326


■ 75.9693, 0.3139,  
0.3270


■ 57.1110, 0.2729,  
0.4542

■ 80.6061, 0.3216,  
0.3149


 56.0670, 0.2723,  
0.4757

 82.1148, 0.3163,  
0.3032

 55.3403, 0.2737,  
0.4964

 82.3370, 0.3141,  
0.2999

 54.8754, 0.2768,  
0.5156

 54.8151, 0.2774,  
0.5185

# Harmonies

## Analogous

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



65.1452, 0.3279, 0.3928



65.1452, 0.2915, 0.3730



65.1452, 0.2620, 0.3394

# Triad

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



65.1452, 0.2915, 0.3730



65.1452, 0.2639, 0.2693



65.1452, 0.3842, 0.3463

# Complementary

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



65.1452, 0.2915, 0.3730



45.4742, 0.3415, 0.2889

# 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.



65.1452, 0.3652, 0.3162



65.1452, 0.2915, 0.3730



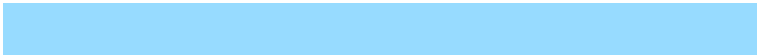
65.1452, 0.2943, 0.2734

# Square

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



65.1452, 0.2915, 0.3730



65.1452, 0.2469, 0.2799



65.1452, 0.3315, 0.2903



65.1452, 0.3826, 0.3741



# Rectangle

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



65.1452, 0.2915, 0.3730



65.1452, 0.2496, 0.3157



65.1452, 0.3315, 0.2903



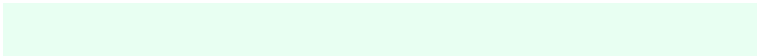
65.1452, 0.3800, 0.3362

# Sweetspot

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



65.1479, 0.2915, 0.3730



95.1219, 0.3057, 0.3415



68.1908, 0.3338, 0.4052



20.2024, 0.3046, 0.3437



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

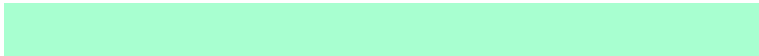


# Same Dimension

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



65.1479, 0.2915, 0.3730



84.4111, 0.2877, 0.3836



66.6947, 0.2733, 0.3328



15.4400, 0.3055, 0.3421



31.6060, 0.2766, 0.5156



2.2086, 0.2683, 0.4857



# Inverse Universe

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



45.4742, 0.3415, 0.2889



54.3196, 0.3493, 0.2805



44.1753, 0.3721, 0.3254



13.8254, 0.3207, 0.3163



10.0732, 0.4754, 0.2393

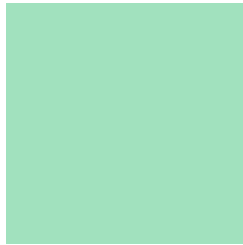


0.7162, 0.4451, 0.2226



# Previews

## White Background



This preview shows how the Yxy color 65.1452, 0.2915, 0.3730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

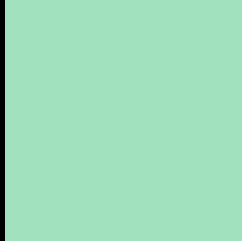
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1452, 0.2915, 0.3730 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

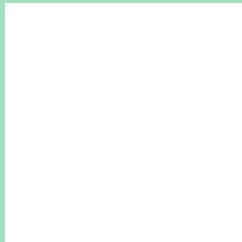
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.1452, 0.2915, 0.3730**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1452, 0.2915, 0.3730.



This preview shows how white text looks on a background with the Yxy color 65.1452, 0.2915, 0.3730.

# 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

65.1452, 0.2915, 0.3730

### Protanopia

64.6862, 0.3404, 0.3609

### Deuteranopia

64.4849, 0.3447, 0.3378



## Tritanopia

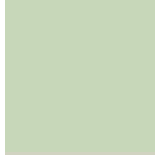
65.2652, 0.2700, 0.3089

# Trichromacy



## Original Color

65.1452, 0.2915, 0.3730



## Protanomaly

64.2458, 0.3213, 0.3647



## Deuteranomaly

63.9941, 0.3238, 0.3499



## Tritanomaly

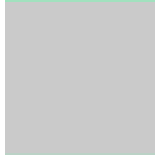
65.0429, 0.2780, 0.3313

# Monochromacy



## Original Color

65.1452, 0.2915, 0.3730



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

60.7352, 0.3039, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1452, 0.2915, 0.3730 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(161, 225, 190)` looks like.

```
.text, #text, p{  
    color:rgb(161, 225, 190)  
}
```

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(161, 225, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 225, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1452, 0.2915, 0.3730 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(161, 225, 190) }
```

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

```
.border{ border-color:rgb(161, 225, 190) }
```

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

Here you see how a box with a 4 pixel rgb(161, 225, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 225, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 225, 190);  
box-shadow:4px 4px 4px 4px rgb(161, 225,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1452, 0.2915, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 225, 190) }
```

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

```
.background{ background-color: rgb(161,  
225, 190) }
```

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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