

# Converting Colors

$Yxy(72.0477, 0.2638, 0.3351)$

Have a look what the booklet for  
Yxy(72.0477, 0.2638, 0.3351)  
contains.

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# Color

**Yxy(72.1500, 0.2636, 0.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95ECE7
RGB	149, 236, 231
RGB Percent	58%, 93%, 91%
CMY	0.4159, 0.0745, 0.0940
CMYK	0.37, 0.00, 0.02, 0.07
HSL	177°, 70%, 75%
HSV	177°, 37%, 93%
XYZ	56.8063, 72.1500, 86.5455
YIQ	209.4170, -50.2470, -19.9990

# Conversions

## Conversions Part 2

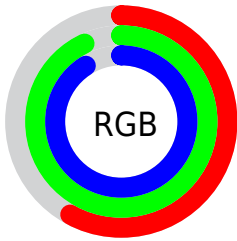
Format	Color
<b>RYB</b>	149, 194, 236
Decimal	9825511
CIELab	88.04, -27.28, -5.88
CIELCh	88, 27.910, 192.170
Yxy	72.1500, 0.2636, 0.3348
Android (android.graphics.Color)	4288015591 (0xFF95ECE7)
YUV	209.4170, 10.6404, -52.9857
Hunter-Lab	84.9412, -29.2712, -0.9511

# Details

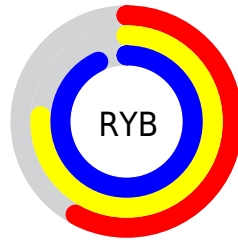
The Yxy color **72.1500, 0.2636, 0.3348** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.6405, 0.3976, 0.3236**, and the grayscale version is **63.9937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **38.1043, 0.2522, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **70.0783, 0.2533, 0.3366**, and if you desaturate by 10%, it is **74.6777, 0.2754, 0.3331**.

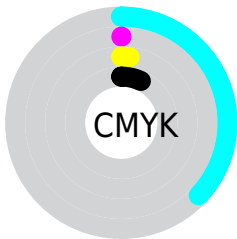
# Distribution



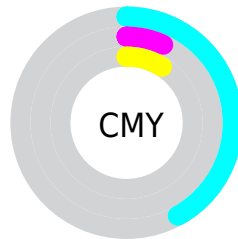
- Red (58%)
- Green (93%)
- Blue (91%)



- Red (58%)
- Yellow (76%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)




- Cyan (42%)
- Magenta (7%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1500, 0.2636, 0.3348 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 72.1500, 0.2636, 0.3348 by changing the saturation by 10% instead.




 72.1500, 0.2636,  
0.3348


 72.1500, 0.2636,  
0.3348

468.0635, 0.2861,  
0.3325

 53.2812, 0.2585,  
0.3352

 122.2698, 0.2713,  
0.3341

 38.0273, 0.2523,  
0.3358


 154.2895, 0.2744,  
0.3338

 26.0039, 0.2445,  
0.3363


191.4618, 0.2770,  
0.3335

 16.8265, 0.2344,  
0.3369

234.1708, 0.2793,  
0.3332

 10.1109, 0.2208,  
0.3376

282.8012, 0.2813,  
0.3330

 5.4726, 0.2017,  
0.3380

337.7371, 0.2831,

 2.5271, 0.1731,

0.3328

399.3631, 0.2847,  
0.3326

0.3375

0.8902, 0.0716,  
0.3541

0.0000, 0.0000,  
0.0000

72.1500, 0.2636,  
0.3348

72.1500, 0.2636,  
0.3348

70.0783, 0.2533,  
0.3366

74.6777, 0.2754,  
0.3331

68.4267, 0.2449,  
0.3385

77.6779, 0.2885,  
0.3315

67.1677, 0.2383,  
0.3404

81.1767, 0.3026,  
0.3300

66.2670, 0.2336,  
0.3424

85.1957, 0.3174,  
0.3286

■ 65.6843, 0.2309,  
0.3443

■ 87.4195, 0.3244,  
0.3273

■ 65.3681, 0.2298,  
0.3462

■ 87.4993, 0.3235,  
0.3260

■ 65.2982, 0.2297,  
0.3468

■ 87.5797, 0.3227,  
0.3247

■ 87.6607, 0.3218,  
0.3233

■ 87.7423, 0.3209,  
0.3220

# Harmonies

## Analogous

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



72.1500, 0.2897, 0.3661



72.1500, 0.2636, 0.3348



72.1500, 0.2506, 0.3038

# Triad

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



72.1500, 0.2636, 0.3348



72.1500, 0.2997, 0.2789



72.1500, 0.3755, 0.3733

# Complementary

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



72.1500, 0.2636, 0.3348



41.6405, 0.3976, 0.3236

# 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.



72.1500, 0.3791, 0.3484



72.1500, 0.2636, 0.3348



72.1500, 0.3340, 0.2957

# Square

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



72.1500, 0.2636, 0.3348



72.1500, 0.2705, 0.2737



72.1500, 0.3637, 0.3205



72.1500, 0.3545, 0.3880

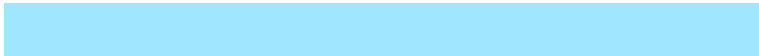


# Rectangle

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



72.1500, 0.2636, 0.3348



72.1500, 0.2505, 0.2879



72.1500, 0.3637, 0.3205



72.1500, 0.3788, 0.3657

# Sweetspot

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



72.1529, 0.2636, 0.3348



94.9595, 0.2966, 0.3306



69.1096, 0.3111, 0.4397



20.2034, 0.2947, 0.3308



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.



72.1529, 0.2636, 0.3348



84.1541, 0.2560, 0.3361



52.9566, 0.2544, 0.2820



17.1061, 0.2989, 0.3303



35.9955, 0.2296, 0.3464



2.8311, 0.2288, 0.3438



# Inverse Universe

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



41.6405, 0.3976, 0.3236



43.0224, 0.4235, 0.3226



55.4036, 0.3869, 0.3714



15.0681, 0.3284, 0.3277



9.8526, 0.6339, 0.3266

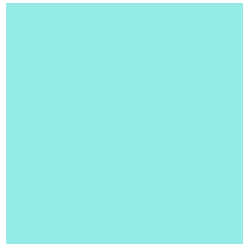


0.7786, 0.6176, 0.3176



# Previews

## White Background



This preview shows how the Yxy color 72.1500, 0.2636, 0.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

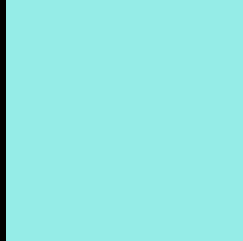
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1500, 0.2636, 0.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

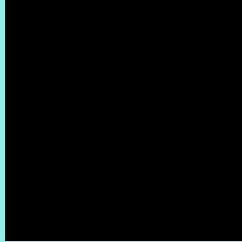
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1500, 0.2636, 0.3348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1500, 0.2636, 0.3348.

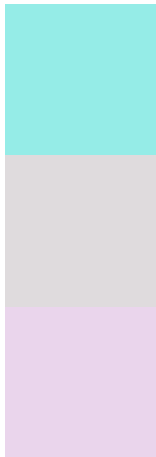


This preview shows how white text looks on a background with the Yxy color 72.1500, 0.2636, 0.3348.

# 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

72.1500, 0.2636, 0.3348

### Protanopia

71.5715, 0.3142, 0.3268

### Deuteranopia

71.1371, 0.3124, 0.3050



## Tritanopia

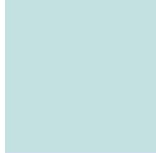
72.1761, 0.2554, 0.3070

# Trichromacy



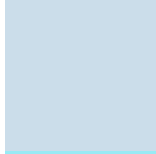
## Original Color

72.1500, 0.2636, 0.3348



## Protanomaly

71.0224, 0.2931, 0.3289



## Deuteranomaly

70.3499, 0.2921, 0.3145



## Tritanomaly

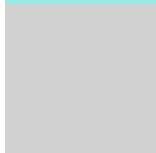
72.0527, 0.2584, 0.3172

# Monochromacy



## Original Color

72.1500, 0.2636, 0.3348



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.2376, 0.2918, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1500, 0.2636, 0.3348 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(149, 236, 231)` looks like.

```
.text, #text, p{  
    color:rgb(149, 236, 231)  
}
```

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(149, 236, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 236, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1500, 0.2636, 0.3348 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(149, 236, 231) }
```

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

```
.border{ border-color:rgb(149, 236, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 236, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 236, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 236, 231);  
box-shadow:4px 4px 4px 4px rgb(149, 236,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1500, 0.2636, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 236, 231) }
```

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

```
.background{ background-color: rgb(149,  
236, 231) }
```

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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