

# Converting Colors

$Yxy(72.4990, 0.2745, 0.3418)$

Have a look what the booklet for  
Yxy(72.4990, 0.2745, 0.3418)  
contains.

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# Color

**Yxy(72.5850, 0.2744, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3EBE0
RGB	163, 235, 224
RGB Percent	64%, 92%, 88%
CMY	0.3611, 0.0784, 0.1216
CMYK	0.31, 0.00, 0.05, 0.08
HSL	171°, 64%, 78%
HSV	171°, 31%, 92%
XYZ	58.2548, 72.5850, 81.4591
YIQ	212.2180, -39.3810, -18.6850

# Conversions

## Conversions Part 2

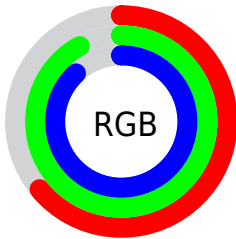
Format	Color
<a href="#">RYB</a>	<a href="#">163, 202, 235</a>
Decimal	<a href="#">10742752</a>
CIELab	<a href="#">88.25, -24.63, -1.82</a>
CIELCh	<a href="#">88, 24.700, 184.228</a>
Yxy	<a href="#">72.5850, 0.2744, 0.3419</a>
Android (android.graphics.Color)	<a href="#">4288932832 (0xFFA3EBE0)</a>
YUV	<a href="#">212.2180, 5.8085, -43.1642</a>
Hunter-Lab	<a href="#">85.1968, -27.0420, 2.9489</a>

# Details

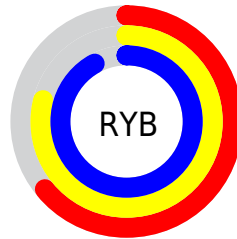
The Yxy color **72.5850, 0.2744, 0.3419** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8866, 0.3714, 0.3167**, and the grayscale version is **65.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **38.2929, 0.2651, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **70.1419, 0.2640, 0.3468**, and if you desaturate by 10%, it is **75.4990, 0.2860, 0.3373**.

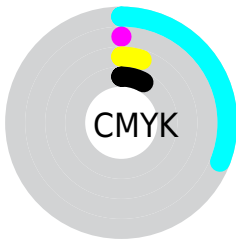
# Distribution



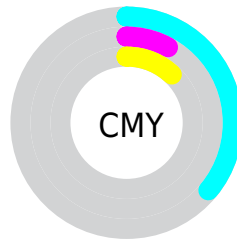
- Red (64%)
- Green (92%)
- Blue (88%)



- Red (64%)
- Yellow (79%)
- Blue (92%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)




- Cyan (36%)
- Magenta (8%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5850, 0.2744, 0.3419 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 72.5850, 0.2744, 0.3419 by changing the saturation by 10% instead.





 72.5850, 0.2744,  
0.3419

 72.5850, 0.2744,  
0.3419


469.5752, 0.2920,  
0.3361

 53.6367, 0.2704,  
0.3432


 122.8879, 0.2805,  
0.3399

 38.3113, 0.2655,  
0.3448


 155.0112, 0.2829,  
0.3391

 26.2244, 0.2592,  
0.3468

192.2951, 0.2849,  
0.3384

 16.9916, 0.2511,  
0.3494

235.1238, 0.2867,  
0.3378

 10.2285, 0.2401,  
0.3528

283.8818, 0.2883,  
0.3373

 5.5507, 0.2245,  
0.3576

338.9534, 0.2897,

 2.5739, 0.2004,

0.3368

400.7231, 0.2909,  
0.3364

0.3646

0.9135, 0.1154,  
0.3954

0.0000, 0.0000,  
0.0000

72.5850, 0.2744,  
0.3419

72.5850, 0.2744,  
0.3419

70.1419, 0.2640,  
0.3468

75.4990, 0.2860,  
0.3373

68.1353, 0.2552,  
0.3519


78.8986, 0.2986,  
0.3331

66.5400, 0.2481,  
0.3573

82.8089, 0.3118,  
0.3292


65.3245, 0.2429,  
0.3627


86.8824, 0.3241,  
0.3258


 64.4530, 0.2397,  
0.3682


 87.0961, 0.3218,  
0.3223


 63.8826, 0.2384,  
0.3736

 87.3141, 0.3195,  
0.3188

 63.5556, 0.2385,  
0.3787

 87.5363, 0.3173,  
0.3153

 87.7629, 0.3150,  
0.3119

 87.9077, 0.3136,  
0.3098

# Harmonies

## Analogous

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



72.5850, 0.2999, 0.3675



72.5850, 0.2744, 0.3419



72.5850, 0.2593, 0.3137

# Triad

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



72.5850, 0.2744, 0.3419



72.5850, 0.2938, 0.2821



72.5850, 0.3706, 0.3633

# Complementary

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



72.5850, 0.2744, 0.3419



46.8866, 0.3714, 0.3167

# 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.



72.5850, 0.3692, 0.3400



72.5850, 0.2744, 0.3419



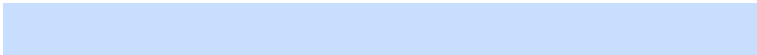
72.5850, 0.3237, 0.2946

# Square

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



72.5850, 0.2744, 0.3419



72.5850, 0.2700, 0.2807



72.5850, 0.3517, 0.3153



72.5850, 0.3558, 0.3790

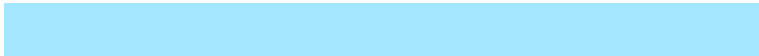


# Rectangle

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



72.5850, 0.2744, 0.3419



72.5850, 0.2567, 0.2979



72.5850, 0.3517, 0.3153



72.5850, 0.3721, 0.3560

# Sweetspot

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



72.5879, 0.2744, 0.3419



95.6803, 0.3007, 0.3324



71.1763, 0.3163, 0.4170



20.3403, 0.2988, 0.3330



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.



72.5879, 0.2744, 0.3419



85.3864, 0.2675, 0.3450



60.3600, 0.2653, 0.3000



17.0800, 0.3002, 0.3326



35.3804, 0.2383, 0.3778



2.7889, 0.2362, 0.3703



# Inverse Universe

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



46.8866, 0.3714, 0.3167



49.7255, 0.3895, 0.3140



55.8289, 0.3740, 0.3561



15.0916, 0.3269, 0.3254



9.9121, 0.6185, 0.3181

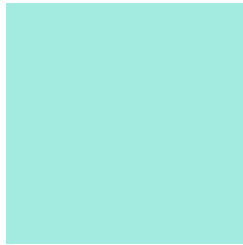


0.7898, 0.5845, 0.2994



# Previews

## White Background



This preview shows how the Yxy color 72.5850, 0.2744, 0.3419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

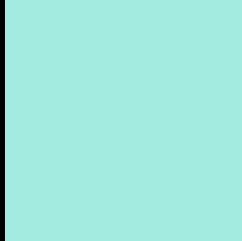
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5850, 0.2744, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

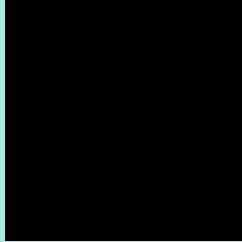
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

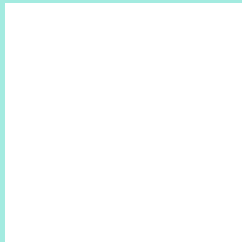
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.5850, 0.2744, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5850, 0.2744, 0.3419.

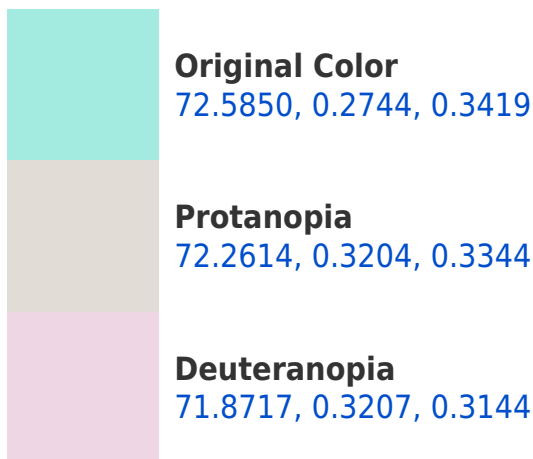


This preview shows how white text looks on a background with the Yxy color 72.5850, 0.2744, 0.3419.

# 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





## Tritanopia

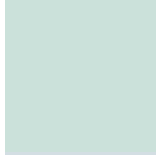
72.4890, 0.2637, 0.3074

# Trichromacy



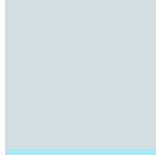
## Original Color

72.5850, 0.2744, 0.3419



## Protanomaly

71.6089, 0.3020, 0.3368



## Deuteranomaly

71.6375, 0.3019, 0.3235



## Tritanomaly

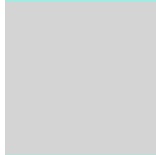
72.2796, 0.2674, 0.3185

# Monochromacy



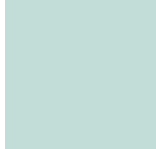
## Original Color

72.5850, 0.2744, 0.3419



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.6136, 0.2972, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5850, 0.2744, 0.3419 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(163, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(163, 235, 224)  
}
```

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(163, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 235, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5850, 0.2744, 0.3419 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(163, 235, 224) }
```

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

```
.border{ border-color:rgb(163, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(163, 235,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5850, 0.2744, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 235, 224) }
```

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

```
.background{ background-color: rgb(163,  
235, 224) }
```

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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