

# Converting Colors

$Yxy(65.8731, 0.2723, 0.3240)$

Have a look what the booklet for  
Yxy(65.8731, 0.2723, 0.3240)  
contains.

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# Color

**Yxy(65.6261, 0.2724, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4DEE2
RGB	164, 222, 226
RGB Percent	64%, 87%, 89%
CMY	0.3568, 0.1294, 0.1138
CMYK	0.27, 0.02, 0.00, 0.11
HSL	184°, 52%, 76%
HSV	184°, 27%, 89%
XYZ	55.1575, 65.6261, 81.7036
YIQ	205.1140, -35.8520, -11.0520

# Conversions

## Conversions Part 2

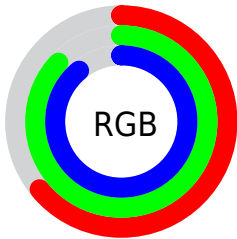
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 194, 226
Decimal	10804962
CIELab	84.81, -17.45, -7.94
CIELCh	85, 19.173, 204.465
Yxy	65.6261, 0.2724, 0.3241
Android (android.graphics.Color)	4288995042 (0xFFA4DEE2)
YUV	205.1140, 10.2968, -36.0570
Hunter-Lab	81.0099, -20.2315, -3.0907

# Details

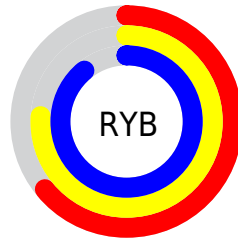
The Yxy color **65.6261, 0.2724, 0.3241** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8488, 0.3710, 0.3338**, and the grayscale version is **61.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **33.8927, 0.2626, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **62.6656, 0.2597, 0.3221**, and if you desaturate by 10%, it is **69.0258, 0.2864, 0.3260**.

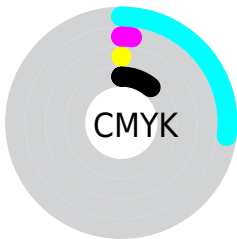
# Distribution



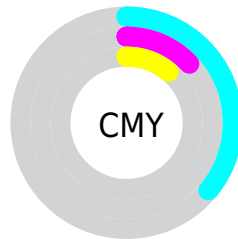
- Red (64%)
- Green (87%)
- Blue (89%)



- Red (64%)
- Yellow (76%)
- Blue (89%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)




- Cyan (36%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6261, 0.2724, 0.3241 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 65.6261, 0.2724, 0.3241 by changing the saturation by 10% instead.




 65.6261, 0.2724,  
0.3241

 65.6261, 0.2724,  
0.3241

445.0385, 0.2912,  
0.3267

 47.9689, 0.2681,  
0.3234


 112.9495, 0.2789,  
0.3251

 33.8023, 0.2627,  
0.3225


 143.3846, 0.2815,  
0.3254

 22.7418, 0.2560,  
0.3213


178.8477, 0.2837,  
0.3257

 14.4029, 0.2471,  
0.3197

219.7233, 0.2855,  
0.3260

 8.4014, 0.2349,  
0.3171

266.3958, 0.2872,  
0.3262

 4.3529, 0.2174,  
0.3130

319.2496, 0.2887,

 1.8729, 0.1901,

0.3264

378.6690, 0.2900,  
0.3266

0.3052

0.5320, 0.0453,  
0.3029

0.0000, 0.0000,  
0.0000

65.6261, 0.2724,  
0.3241

65.6261, 0.2724,  
0.3241

62.6656, 0.2597,  
0.3221

69.0258, 0.2864,  
0.3260

60.1136, 0.2484,  
0.3200

72.8776, 0.3012,  
0.3278

57.9482, 0.2389,  
0.3178

77.2039, 0.3167,  
0.3294

56.1418, 0.2312,  
0.3156

82.0230, 0.3326,  
0.3309

■ 54.6634, 0.2255,  
0.3134

■ 82.9386, 0.3328,  
0.3323

■ 53.4766, 0.2216,  
0.3112

■ 83.7472, 0.3326,  
0.3338

■ 52.5324, 0.2195,  
0.3091

■ 84.5627, 0.3325,  
0.3352

■ 52.3086, 0.2191,  
0.3086

■ 85.3849, 0.3323,  
0.3366

■ 86.2138, 0.3321,  
0.3380

# Harmonies

## Analogous

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



65.6261, 0.2879, 0.3466



65.6261, 0.2724, 0.3241



65.6261, 0.2674, 0.3041

# Triad

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



65.6261, 0.2724, 0.3241



65.6261, 0.3137, 0.2969



65.6261, 0.3525, 0.3662

# Complementary

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



65.6261, 0.2724, 0.3241



46.8488, 0.3710, 0.3338

# 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.



65.6261, 0.3602, 0.3513



65.6261, 0.2724, 0.3241



65.6261, 0.3373, 0.3120

# Square

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



65.6261, 0.2724, 0.3241



65.6261, 0.2905, 0.2895



65.6261, 0.3547, 0.3316



65.6261, 0.3341, 0.3715

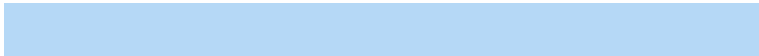


# Rectangle

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



65.6261, 0.2724, 0.3241



65.6261, 0.2704, 0.2949



65.6261, 0.3547, 0.3316



65.6261, 0.3565, 0.3621

# Sweetspot

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



65.6287, 0.2724, 0.3241



95.5002, 0.3003, 0.3277



65.0743, 0.3071, 0.4039



20.2696, 0.2980, 0.3274



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.



65.6287, 0.2724, 0.3241



83.9777, 0.2648, 0.3229



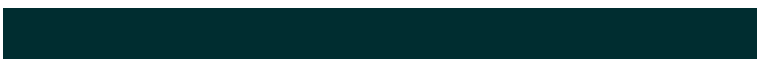
51.0377, 0.2686, 0.2864



15.4135, 0.2982, 0.3274



29.9125, 0.2191, 0.3089



2.1196, 0.2201, 0.3122



# Inverse Universe

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



47.9936, 0.3192, 0.2649



57.2056, 0.3208, 0.2515



59.2799, 0.3619, 0.3681



13.9196, 0.3148, 0.3074



11.9277, 0.3377, 0.1634

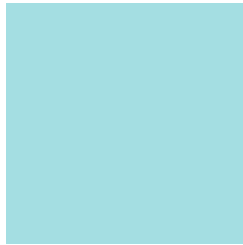


0.8314, 0.3348, 0.1618



# Previews

## White Background



This preview shows how the Yxy color 65.6261, 0.2724, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

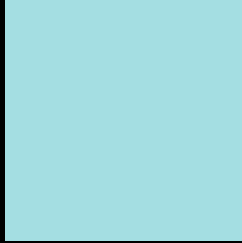
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6261, 0.2724, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

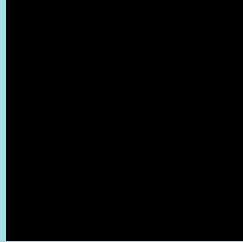
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6261, 0.2724, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6261, 0.2724, 0.3241.

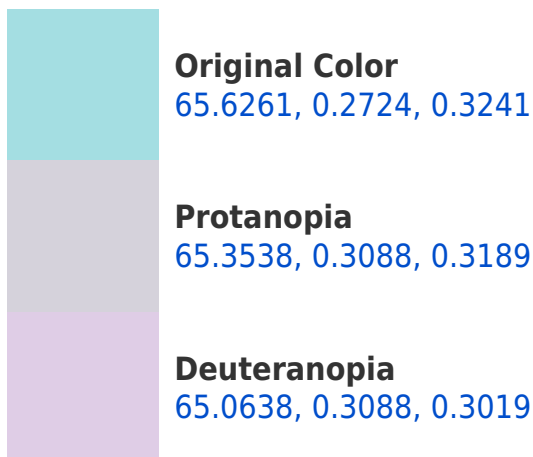


This preview shows how white text looks on a background with the Yxy color 65.6261, 0.2724, 0.3241.

# 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

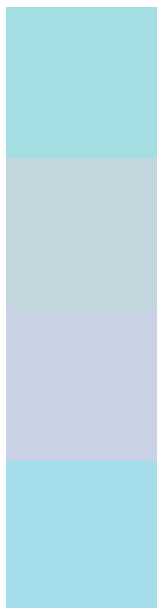




## Tritanopia

65.5749, 0.2673, 0.3077

# Trichromacy



## Original Color

65.6261, 0.2724, 0.3241

## Protanomaly

64.9692, 0.2940, 0.3197

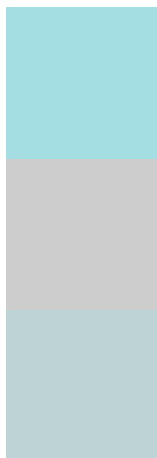
## Deuteranomaly

64.8022, 0.2943, 0.3086

## Tritanomaly

65.7604, 0.2690, 0.3135

# Monochromacy



## Original Color

65.6261, 0.2724, 0.3241

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

62.3398, 0.2962, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6261, 0.2724, 0.3241 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(164, 222, 226)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 226)  
}
```

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(164, 222, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6261, 0.2724, 0.3241 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(164, 222, 226) }
```

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

```
.border{ border-color:rgb(164, 222, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 222, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(164, 222,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6261, 0.2724, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 226) }
```

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

```
.background{ background-color: rgb(164,  
222, 226) }
```

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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