

# Converting Colors

Yxy(61.1242, 0.2719, 0.3211)

Have a look what the booklet for  
Yxy(61.1242, 0.2719, 0.3211)  
contains.

<b>Yxy(61.2949, 0.2720, 0.3215)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.2949, 0.2720, 0.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0D7DD
RGB	160, 215, 221
RGB Percent	63%, 84%, 87%
CMY	0.3723, 0.1569, 0.1334
CMYK	0.28, 0.03, 0.00, 0.13
HSL	186°, 47%, 75%
HSV	186°, 28%, 87%
XYZ	51.8576, 61.2949, 77.5004
YIQ	199.2390, -34.7060, -9.7940

# Conversions

## Conversions Part 2

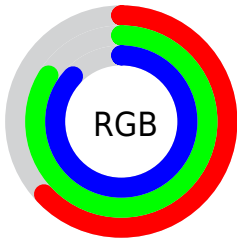
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 189, 221
Decimal	10541021
CIELab	82.54, -16.16, -8.68
CIElCh	83, 18.346, 208.236
Yxy	61.2949, 0.2720, 0.3215
Android (android.graphics.Color)	4288731101 (0xFFA0D7DD)
YUV	199.2390, 10.7282, -34.4126
Hunter-Lab	78.2911, -18.7765, -3.8875

# Details

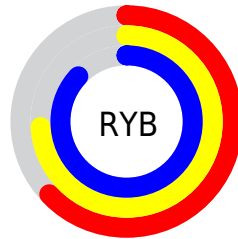
The Yxy color **61.2949, 0.2720, 0.3215** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2098, 0.3706, 0.3363**, and the grayscale version is **57.2249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **30.9590, 0.2616, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **58.1158, 0.2590, 0.3184**, and if you desaturate by 10%, it is **64.8986, 0.2861, 0.3244**.

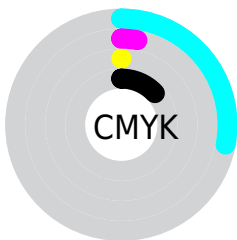
# Distribution



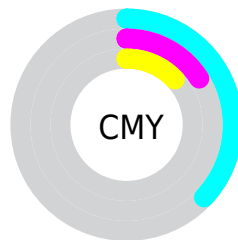
- Red (63%)
- Green (84%)
- Blue (87%)



- Red (63%)
- Yellow (74%)
- Blue (87%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)




- Cyan (37%)
- Magenta (16%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2949, 0.2720, 0.3215 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 61.2949, 0.2720, 0.3215 by changing the saturation by 10% instead.




 61.2949, 0.2720,  
0.3215


 61.2949, 0.2720,  
0.3215


429.3544, 0.2912,  
0.3254

 44.4632, 0.2675,  
0.3205

 106.7058, 0.2787,  
0.3229

 31.0348, 0.2620,  
0.3192


 136.0538, 0.2813,  
0.3235

 20.6254, 0.2549,  
0.3175

170.3427, 0.2835,  
0.3239

 12.8504, 0.2455,  
0.3151

209.9569, 0.2855,  
0.3243

 7.3256, 0.2326,  
0.3115

255.2808, 0.2872,  
0.3246

 3.6666, 0.2136,  
0.3055

306.6987, 0.2887,

 1.4889, 0.1834,

0.3249

0.2945

364.5952, 0.2900,  
0.3252

0.2809, 0.0000,  
0.2353

0.0000, 0.0000,  
0.0000

61.2949, 0.2720,  
0.3215

61.2949, 0.2720,  
0.3215

58.1158, 0.2590,  
0.3184

64.8986, 0.2861,  
0.3244

55.3323, 0.2474,  
0.3152

68.9394, 0.3011,  
0.3271

52.9236, 0.2375,  
0.3118

73.4384, 0.3165,  
0.3296

50.8635, 0.2294,  
0.3084

78.4131, 0.3322,  
0.3318

■ 49.1225, 0.2233,  
0.3050

■ 80.8076, 0.3366,  
0.3340

■ 47.6661, 0.2190,  
0.3016

■ 81.9986, 0.3363,  
0.3361

■ 46.4471, 0.2165,  
0.2982

■ 83.2048, 0.3360,  
0.3383

■ 46.1682, 0.2160,  
0.2974

■ 84.4260, 0.3357,  
0.3404

■ 85.6625, 0.3354,  
0.3426

# Harmonies

## Analogous

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



61.2949, 0.2861, 0.3436



61.2949, 0.2720, 0.3215



61.2949, 0.2685, 0.3026

# Triad

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



61.2949, 0.2720, 0.3215



61.2949, 0.3167, 0.2990



61.2949, 0.3499, 0.3667

# Complementary

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



61.2949, 0.2720, 0.3215



45.2098, 0.3706, 0.3363

# 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.



61.2949, 0.3590, 0.3531



61.2949, 0.2720, 0.3215



61.2949, 0.3394, 0.3146

# Square

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



61.2949, 0.2720, 0.3215



61.2949, 0.2936, 0.2907



61.2949, 0.3552, 0.3341



61.2949, 0.3309, 0.3704



# Rectangle

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



61.2949, 0.2720, 0.3215



61.2949, 0.2724, 0.2943



61.2949, 0.3552, 0.3341



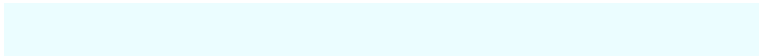
61.2949, 0.3543, 0.3630

# Sweetspot

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



61.2974, 0.2720, 0.3215



95.0583, 0.3003, 0.3270



61.9128, 0.3059, 0.4015



20.1574, 0.2980, 0.3266



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.



61.2974, 0.2720, 0.3215



82.2043, 0.2644, 0.3198



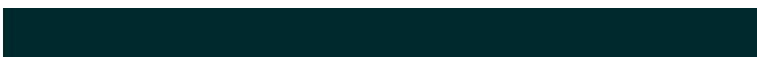
47.5886, 0.2682, 0.2836



14.5988, 0.2982, 0.3266



26.9150, 0.2161, 0.2979



1.8086, 0.2176, 0.3034



# Inverse Universe

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



45.4420, 0.3210, 0.2669



57.0266, 0.3230, 0.2540



57.2153, 0.3615, 0.3705



13.2516, 0.3153, 0.3082



11.3409, 0.3473, 0.1687

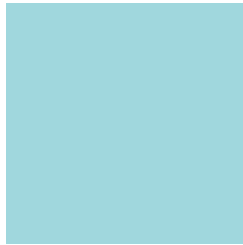


0.7413, 0.3424, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 61.2949, 0.2720, 0.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

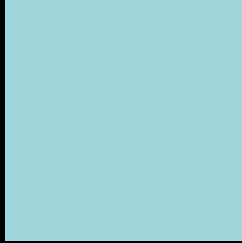
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2949, 0.2720, 0.3215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

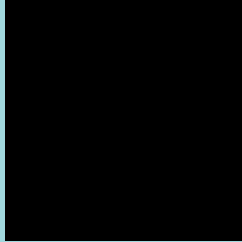
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

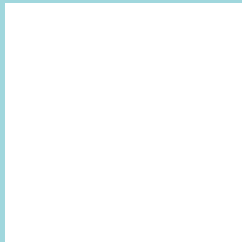
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2949, 0.2720, 0.3215**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2949, 0.2720, 0.3215.

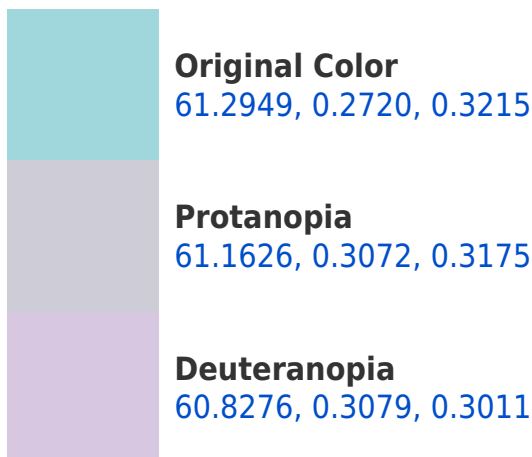


This preview shows how white text looks on a background with the Yxy color 61.2949, 0.2720, 0.3215.

# 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

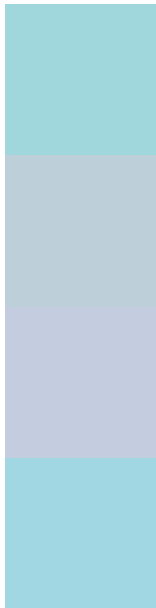




## Tritanopia

61.0394, 0.2673, 0.3071

# Trichromacy



**Original Color**

61.2949, 0.2720, 0.3215

**Protanomaly**

60.9403, 0.2928, 0.3183

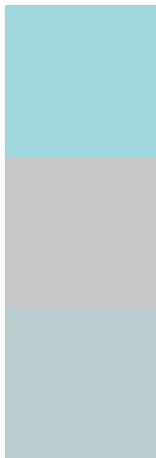
**Deuteranomaly**

60.7261, 0.2938, 0.3081

**Tritanomaly**

61.2163, 0.2690, 0.3131

# Monochromacy



**Original Color**

61.2949, 0.2720, 0.3215

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

58.4819, 0.2965, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2949, 0.2720, 0.3215 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(160, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(160, 215, 221)  
}
```

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(160, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 215, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2949, 0.2720, 0.3215 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(160, 215, 221) }
```

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

```
.border{ border-color:rgb(160, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(160, 215,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2949, 0.2720, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 215, 221) }
```

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

```
.background{ background-color: rgb(160,  
215, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor