

# Converting Colors

$Yxy(60.6023, 0.2792, 0.3353)$

Have a look what the booklet for  
Yxy(60.6023, 0.2792, 0.3353)  
contains.

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# Color

**Yxy(60.7814, 0.2795, 0.3364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1D7D1
RGB	161, 215, 209
RGB Percent	63%, 84%, 82%
CMY	0.3688, 0.1568, 0.1803
CMYK	0.25, 0.00, 0.03, 0.16
HSL	173°, 40%, 74%
HSV	173°, 25%, 84%
XYZ	50.5006, 60.7814, 69.3999
YIQ	198.1700, -30.2580, -13.3140

# Conversions

## Conversions Part 2

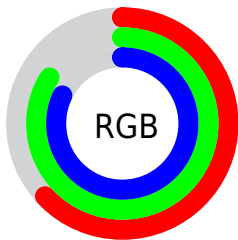
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 190, 215
Decimal	10606545
CIELab	82.26, -18.57, -2.70
CIELCh	82, 18.765, 188.284
Yxy	60.7814, 0.2795, 0.3364
Android (android.graphics.Color)	4288796625 (0xFFA1D7D1)
YUV	198.1700, 5.3392, -32.5981
Hunter-Lab	77.9624, -20.8099, 1.7954

# Details

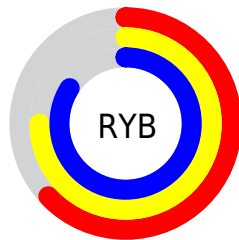
The Yxy color **60.7814, 0.2795, 0.3364** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7101, 0.3597, 0.3218**, and the grayscale version is **56.5574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **30.6963, 0.2711, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **58.6223, 0.2680, 0.3398**, and if you desaturate by 10%, it is **63.3313, 0.2921, 0.3333**.

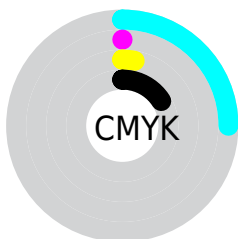
# Distribution



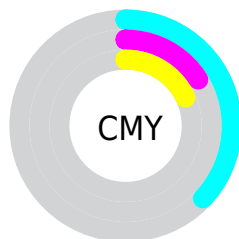
- Red (63%)
- Green (84%)
- Blue (82%)



- Red (63%)
- Yellow (75%)
- Blue (84%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (37%)
- Magenta (16%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7814, 0.2795, 0.3364 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 60.7814, 0.2795, 0.3364 by changing the saturation by 10% instead.




 60.7814, 0.2795,  
0.3364


 60.7814, 0.2795,  
0.3364


427.4720, 0.2953,  
0.3330

 44.0488, 0.2758,  
0.3372


 105.9624, 0.2851,  
0.3352

 30.7089, 0.2712,  
0.3381


 135.1795, 0.2872,  
0.3348

 20.3773, 0.2652,  
0.3393

169.3269, 0.2890,  
0.3344

 12.6696, 0.2573,  
0.3408

208.7890, 0.2906,  
0.3340

 7.2014, 0.2462,  
0.3429

253.9501, 0.2920,  
0.3337

 3.5884, 0.2296,  
0.3457

305.1948, 0.2932,

 1.4461, 0.2024,

0.3335

0.3498

362.9073, 0.2943,  
0.3332

0.2503, 0.0000,  
0.3516

0.0000, 0.0000,  
0.0000

60.7814, 0.2795,  
0.3364

60.7814, 0.2795,  
0.3364

58.6223, 0.2680,  
0.3398

63.3313, 0.2921,  
0.3333

56.8269, 0.2580,  
0.3433

66.2827, 0.3056,  
0.3304

55.3763, 0.2495,  
0.3470

69.6554, 0.3196,  
0.3278

54.2468, 0.2429,  
0.3508

73.4653, 0.3339,  
0.3254

■ 53.4117, 0.2383,  
0.3547

■ 75.0852, 0.3382,  
0.3231

■ 52.8403, 0.2355,  
0.3585

■ 75.2133, 0.3365,  
0.3207

■ 52.4947, 0.2346,  
0.3624

■ 75.3432, 0.3348,  
0.3183

■ 52.3760, 0.2345,  
0.3642

■ 75.4749, 0.3331,  
0.3159

■ 75.6084, 0.3314,  
0.3136

# Harmonies

## Analogous

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



60.7814, 0.2994, 0.3574



60.7814, 0.2795, 0.3364



60.7814, 0.2685, 0.3141

# Triad

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



60.7814, 0.2795, 0.3364



60.7814, 0.3006, 0.2916



60.7814, 0.3585, 0.3592

# Complementary

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



60.7814, 0.2795, 0.3364



42.7101, 0.3597, 0.3218

# 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.



60.7814, 0.3591, 0.3410



60.7814, 0.2795, 0.3364



60.7814, 0.3250, 0.3029

# Square

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



60.7814, 0.2795, 0.3364



60.7814, 0.2803, 0.2893



60.7814, 0.3466, 0.3207



60.7814, 0.3452, 0.3702



# Rectangle

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



60.7814, 0.2795, 0.3364



60.7814, 0.2674, 0.3019



60.7814, 0.3466, 0.3207



60.7814, 0.3602, 0.3537

# Sweetspot

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



60.7839, 0.2795, 0.3364



96.1892, 0.3015, 0.3312



59.4229, 0.3139, 0.3992



20.4447, 0.2995, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

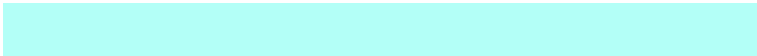


# Same Dimension

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



60.7839, 0.2795, 0.3364



87.7294, 0.2734, 0.3381



51.1916, 0.2736, 0.3025



14.0830, 0.2997, 0.3316



31.3326, 0.2343, 0.3636



1.8968, 0.2325, 0.3570



# Inverse Universe

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



42.7101, 0.3597, 0.3218



56.8875, 0.3729, 0.3203



50.3436, 0.3595, 0.3541



12.4430, 0.3274, 0.3264



8.6880, 0.6259, 0.3221



0.5317, 0.5910, 0.3029



# Previews

## White Background



This preview shows how the Yxy color 60.7814, 0.2795, 0.3364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

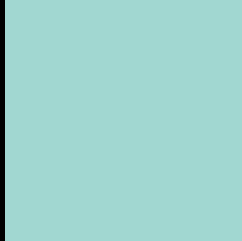
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7814, 0.2795, 0.3364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

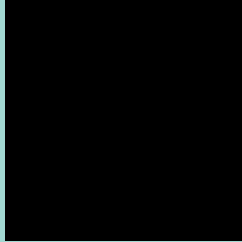
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

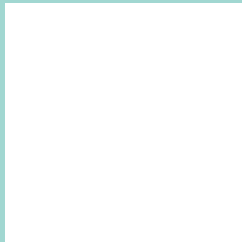
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.7814, 0.2795, 0.3364**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7814, 0.2795, 0.3364.

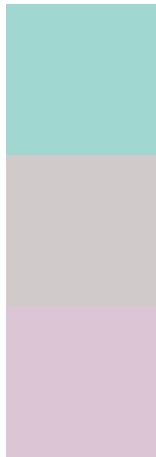


This preview shows how white text looks on a background with the Yxy color 60.7814, 0.2795, 0.3364.

# 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

60.7814, 0.2795, 0.3364

### Protanopia

60.3860, 0.3173, 0.3302

### Deuteranopia

60.4079, 0.3190, 0.3122



## Tritanopia

60.7434, 0.2701, 0.3083

# Trichromacy



**Original Color**

60.7814, 0.2795, 0.3364

**Protanomaly**

60.1098, 0.3022, 0.3314

**Deuteranomaly**

60.0813, 0.3034, 0.3196

**Tritanomaly**

60.7549, 0.2736, 0.3179

# Monochromacy



**Original Color**

60.7814, 0.2795, 0.3364

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.7643, 0.2998, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7814, 0.2795, 0.3364 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, 215, 209)` looks like.

```
.text, #text, p{  
    color:rgb(161, 215, 209)  
}
```

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, 215, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 215, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7814, 0.2795, 0.3364 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, 215, 209) }
```

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

```
.border{ border-color:rgb(161, 215, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 215, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 215, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 215, 209);  
box-shadow:4px 4px 4px 4px rgb(161, 215,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7814, 0.2795, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 215, 209) }
```

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

```
.background{ background-color: rgb(161,  
215, 209) }
```

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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