

# Converting Colors

$Yxy(60.1942, 0.2695, 0.3232)$

Have a look what the booklet for  
Yxy(60.1942, 0.2695, 0.3232)  
contains.

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# Color

**Yxy(60.0776, 0.2694, 0.3226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AD6DB
RGB	154, 214, 219
RGB Percent	60%, 84%, 86%
CMY	0.3958, 0.1608, 0.1411
CMYK	0.30, 0.02, 0.00, 0.14
HSL	185°, 47%, 73%
HSV	185°, 30%, 86%
XYZ	50.1702, 60.0776, 75.9816
YIQ	196.6300, -37.3650, -11.1650

# Conversions

## Conversions Part 2

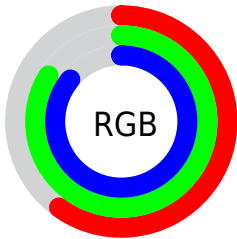
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 185, 219
Decimal	10147547
CIELab	81.88, -17.81, -8.64
CIELCh	82, 19.797, 205.869
Yxy	60.0776, 0.2694, 0.3226
Android (android.graphics.Color)	4288337627 (0xFF9AD6DB)
YUV	196.6300, 11.0284, -37.3865
Hunter-Lab	77.5097, -20.1033, -3.8642

# Details

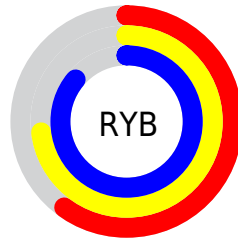
The Yxy color **60.0776, 0.2694, 0.3226** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2281, 0.3769, 0.3353**, and the grayscale version is **55.5591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **30.1859, 0.2585, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **57.2683, 0.2569, 0.3202**, and if you desaturate by 10%, it is **63.2928, 0.2832, 0.3249**.

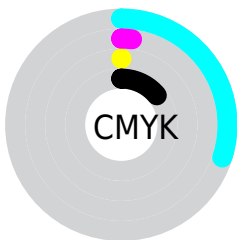
# Distribution



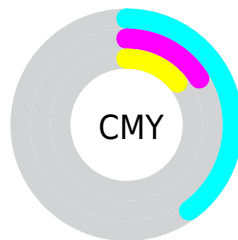
- Red (60%)
- Green (84%)
- Blue (86%)



- Red (60%)
- Yellow (73%)
- Blue (86%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)




- Cyan (40%)
- Magenta (16%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0776, 0.2694, 0.3226 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 60.0776, 0.2694, 0.3226 by changing the saturation by 10% instead.



 60.0776, 0.2694,  
0.3226

 60.0776, 0.2694,  
0.3226


424.8837, 0.2899,  
0.3260

 43.4812, 0.2646,  
0.3217


 104.9422, 0.2766,  
0.3239

 30.2628, 0.2587,  
0.3205


 133.9792, 0.2793,  
0.3243

 20.0382, 0.2511,  
0.3189


167.9319, 0.2817,  
0.3247

 12.4228, 0.2410,  
0.3167

207.1846, 0.2838,  
0.3251

 7.0323, 0.2271,  
0.3132

252.1217, 0.2856,  
0.3254

 3.4823, 0.2066,  
0.3074

303.1277, 0.2872,

 1.3884, 0.1740,

0.3256

0.2963

360.5869, 0.2886,  
0.3258

0.2082, 0.0000,  
0.2004

0.0000, 0.0000,  
0.0000

60.0776, 0.2694,  
0.3226

60.0776, 0.2694,  
0.3226

57.2683, 0.2569,  
0.3202

63.2928, 0.2832,  
0.3249

54.8364, 0.2458,  
0.3176

66.9263, 0.2979,  
0.3271

52.7607, 0.2365,  
0.3150

70.9991, 0.3133,  
0.3291

51.0153, 0.2291,  
0.3123

75.5285, 0.3290,  
0.3309

■ 49.5705, 0.2237,  
0.3096

■ 78.8674, 0.3385,  
0.3325

■ 48.3911, 0.2200,  
0.3070

■ 79.7754, 0.3382,  
0.3342

■ 47.4170, 0.2179,  
0.3044

■ 80.6924, 0.3380,  
0.3359

■ 47.3846, 0.2179,  
0.3043

■ 81.6185, 0.3377,  
0.3376

■ 82.5538, 0.3375,  
0.3393

# Harmonies

## Analogous

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



60.0776, 0.2854, 0.3467



60.0776, 0.2694, 0.3226



60.0776, 0.2646, 0.3016

# Triad

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



60.0776, 0.2694, 0.3226



60.0776, 0.3149, 0.2955



60.0776, 0.3543, 0.3690

# Complementary

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



60.0776, 0.2694, 0.3226



42.2281, 0.3769, 0.3353

# 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.



60.0776, 0.3632, 0.3535



60.0776, 0.2694, 0.3226



60.0776, 0.3400, 0.3118

# Square

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



60.0776, 0.2694, 0.3226



60.0776, 0.2901, 0.2872



60.0776, 0.3579, 0.3327



60.0776, 0.3343, 0.3742



# Rectangle

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



60.0776, 0.2694, 0.3226



60.0776, 0.2683, 0.2922



60.0776, 0.3579, 0.3327



60.0776, 0.3588, 0.3648

# Sweetspot

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



60.0800, 0.2694, 0.3226



94.7756, 0.2988, 0.3272



60.0319, 0.3060, 0.4093



20.1155, 0.2966, 0.3269



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.



60.0800, 0.2694, 0.3226



82.0960, 0.2609, 0.3210



45.5356, 0.2648, 0.2811



14.6480, 0.2982, 0.3271



28.1651, 0.2180, 0.3047



1.8770, 0.2192, 0.3090



# Inverse Universe

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



43.0512, 0.3205, 0.2608



54.2961, 0.3226, 0.2456



54.6048, 0.3661, 0.3725



13.2565, 0.3150, 0.3077



11.4670, 0.3413, 0.1654

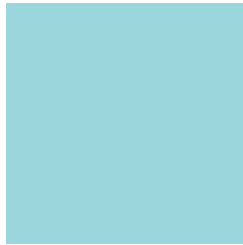


0.7482, 0.3376, 0.1633



# Previews

## White Background



This preview shows how the Yxy color 60.0776, 0.2694, 0.3226 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

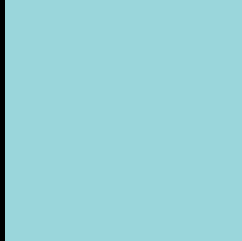
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.0776, 0.2694, 0.3226 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 60.0776, 0.2694, 0.3226**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0776, 0.2694, 0.3226.



This preview shows how white text looks on a background with the Yxy color 60.0776, 0.2694, 0.3226.

# 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

60.0776, 0.2694, 0.3226

### Protanopia

59.8319, 0.3072, 0.3174

### Deuteranopia

59.5564, 0.3071, 0.2998



## Tritanopia

59.8120, 0.2647, 0.3080

# Trichromacy



**Original Color**

60.0776, 0.2694, 0.3226

**Protanomaly**

59.4880, 0.2920, 0.3182

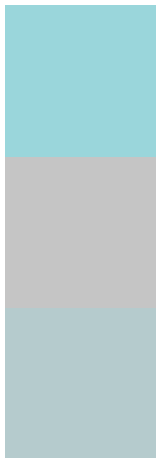
**Deuteranomaly**

59.1923, 0.2915, 0.3066

**Tritanomaly**

59.9933, 0.2665, 0.3141

# Monochromacy



**Original Color**

60.0776, 0.2694, 0.3226

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.9434, 0.2949, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  60.0776, 0.2694, 0.3226 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(154, 214, 219)` looks like.

```
.text, #text, p{  
    color:rgb(154, 214, 219)  
}
```

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(154, 214, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 214, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0776, 0.2694, 0.3226 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(154, 214, 219) }
```

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

```
.border{ border-color:rgb(154, 214, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 214, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 214, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 214, 219);  
box-shadow:4px 4px 4px 4px rgb(154, 214,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0776, 0.2694, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 214, 219) }
```

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

```
.background{ background-color: rgb(154,  
214, 219) }
```

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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