

# Converting Colors

$Yxy(54.6601, 0.2802, 0.3274)$

Have a look what the booklet for  
Yxy(54.6601, 0.2802, 0.3274)  
contains.

<b>Yxy(54.4424, 0.2801, 0.3276)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.4424, 0.2801, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FCBCC
RGB	159, 203, 204
RGB Percent	62%, 80%, 80%
CMY	0.3766, 0.2039, 0.1999
CMYK	0.22, 0.00, 0.00, 0.20
HSL	181°, 31%, 71%
HSV	181°, 22%, 80%
XYZ	46.5486, 54.4424, 65.1946
YIQ	189.9580, -26.5450, -9.0170

# Conversions

## Conversions Part 2

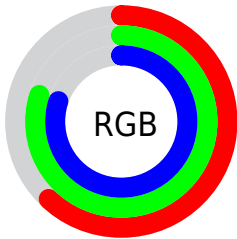
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 181, 204
Decimal	10472396
CIE Lab	78.72, -14.15, -5.26
CIE LCh	79, 15.100, 200.392
Yxy	54.4424, 0.2801, 0.3276
Android (android.graphics.Color)	4288662476 (0xFF9FCBCC)
YUV	189.9580, 6.9227, -27.1502
Hunter-Lab	73.7851, -16.5141, -0.7376

# Details

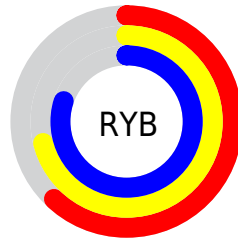
The Yxy color **54.4424, 0.2801, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4730, 0.3570, 0.3304**, and the grayscale version is **51.4353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **26.7611, 0.2713, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **52.3130, 0.2670, 0.3269**, and if you desaturate by 10%, it is **56.9211, 0.2944, 0.3283**.

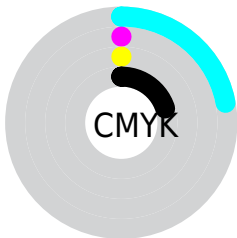
# Distribution



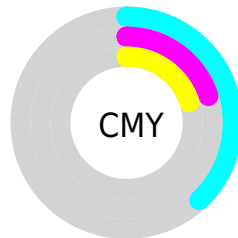
- Red (62%)
- Green (80%)
- Blue (80%)



- Red (62%)
- Yellow (71%)
- Blue (80%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)




- Cyan (38%)
- Magenta (20%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4424, 0.2801, 0.3276 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 54.4424, 0.2801, 0.3276 by changing the saturation by 10% instead.





 54.4424, 0.2801,  
0.3276


 54.4424, 0.2801,  
0.3276


403.7948, 0.2959,  
0.3285

 38.9555, 0.2763,  
0.3273


 96.7235, 0.2857,  
0.3280

 26.7251, 0.2716,  
0.3270


 124.2865, 0.2878,  
0.3281

 17.3669, 0.2654,  
0.3265


156.6436, 0.2897,  
0.3282

 10.4964, 0.2571,  
0.3257

194.1792, 0.2912,  
0.3283

 5.7293, 0.2452,  
0.3243

237.2777, 0.2926,  
0.3283

 2.6812, 0.2270,  
0.3218

286.3236, 0.2938,

 0.9677, 0.1885,

0.3284

0.3190

341.7011, 0.2949,  
0.3284

0.0000, 0.0000,  
0.0000

54.4424, 0.2801,  
0.3276

54.4424, 0.2801,  
0.3276

52.3130, 0.2670,  
0.3269

56.9211, 0.2944,  
0.3283

50.5094, 0.2553,  
0.3262

59.7581, 0.3095,  
0.3289

49.0154, 0.2453,  
0.3254

62.9705, 0.3252,  
0.3294

47.8111, 0.2371,  
0.3247

66.5721, 0.3411,  
0.3300

46.8738, 0.2309,  
0.3239

69.4263, 0.3524,  
0.3304

■ 46.1779, 0.2265,  
0.3232

■ 69.6459, 0.3523,  
0.3309

■ 45.6924, 0.2239,  
0.3224

■ 69.8662, 0.3522,  
0.3314

■ 45.4137, 0.2228,  
0.3219

■ 70.0870, 0.3521,  
0.3318

■ 70.3086, 0.3520,  
0.3323

# Harmonies

## Analogous

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



54.4424, 0.2943, 0.3461



54.4424, 0.2801, 0.3276



54.4424, 0.2745, 0.3102

# Triad

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



54.4424, 0.2801, 0.3276



54.4424, 0.3108, 0.3006



54.4424, 0.3476, 0.3590

# Complementary

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



54.4424, 0.2801, 0.3276



40.4730, 0.3570, 0.3304

# 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.



54.4424, 0.3525, 0.3458



54.4424, 0.2801, 0.3276



54.4424, 0.3309, 0.3127

# Square

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



54.4424, 0.2801, 0.3276



54.4424, 0.2918, 0.2954



54.4424, 0.3463, 0.3290



54.4424, 0.3332, 0.3645



# Rectangle

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



54.4424, 0.2801, 0.3276



54.4424, 0.2762, 0.3017



54.4424, 0.3463, 0.3290



54.4424, 0.3504, 0.3553

# Sweetspot

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



54.4446, 0.2801, 0.3276



96.5153, 0.3018, 0.3286



53.0907, 0.3093, 0.3891



20.5970, 0.3009, 0.3285



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.



54.4446, 0.2801, 0.3276



88.2169, 0.2730, 0.3272



44.6691, 0.2779, 0.2980



12.6822, 0.2984, 0.3284



28.5965, 0.2228, 0.3220



1.4892, 0.2232, 0.3234



# Inverse Universe

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



41.9348, 0.3161, 0.2757



63.5620, 0.3170, 0.2629



48.8970, 0.3511, 0.3581



11.3992, 0.3141, 0.3067



10.6898, 0.3265, 0.1573



0.5529, 0.3254, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 54.4424, 0.2801, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

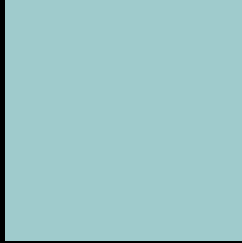
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.4424, 0.2801, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

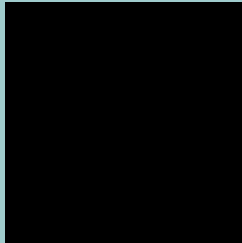
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

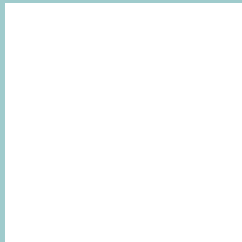
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.4424, 0.2801, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.4424, 0.2801, 0.3276.

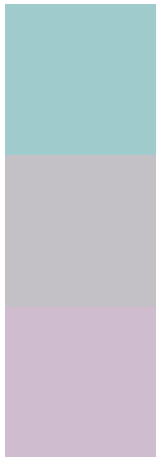


This preview shows how white text looks on a background with the Yxy color 54.4424, 0.2801, 0.3276.

# 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

54.4424, 0.2801, 0.3276

### Protanopia

53.9529, 0.3114, 0.3229

### Deuteranopia

54.1656, 0.3137, 0.3079



## Tritanopia

54.4644, 0.2739, 0.3088

# Trichromacy



## Original Color

54.4424, 0.2801, 0.3276

## Protanomaly

54.1699, 0.2997, 0.3252

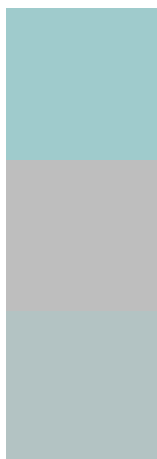
## Deuteranomaly

53.9870, 0.3008, 0.3143

## Tritanomaly

54.5716, 0.2764, 0.3162

# Monochromacy



## Original Color

54.4424, 0.2801, 0.3276

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.5540, 0.3002, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4424, 0.2801, 0.3276 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(159, 203, 204)` looks like.

```
.text, #text, p{  
    color:rgb(159, 203, 204)  
}
```

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(159, 203, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 203, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4424, 0.2801, 0.3276 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(159, 203, 204) }
```

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

```
.border{ border-color:rgb(159, 203, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 203, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 203, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 203, 204);  
box-shadow:4px 4px 4px 4px rgb(159, 203,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4424, 0.2801, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 203, 204) }
```

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

```
.background{ background-color: rgb(159,  
203, 204) }
```

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