

# Converting Colors

$Y_{xy}(48.0756, 0.2722, 0.3230)$

Have a look what the booklet for  
Yxy(48.0756, 0.2722, 0.3230)  
contains.

<b>Yxy(48.0108, 0.2727, 0.3234)</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(48.0108, 0.2727, 0.3234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FC1C5
RGB	143, 193, 197
RGB Percent	56%, 76%, 77%
CMY	0.4390, 0.2432, 0.2274
CMYK	0.27, 0.02, 0.00, 0.23
HSL	184°, 32%, 67%
HSV	184°, 27%, 77%
XYZ	40.4841, 48.0108, 59.9615
YIQ	178.5060, -31.0840, -9.3560

# Conversions

## Conversions Part 2

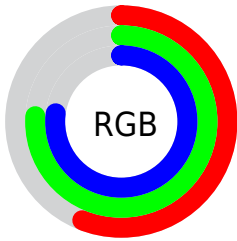
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 169, 197
Decimal	9421253
CIE <sub>Lab</sub>	74.83, -15.32, -7.33
CIE <sub>LCh</sub>	75, 16.979, 205.565
Yxy	48.0108, 0.2727, 0.3234
Android (android.graphics.Color)	4287611333 (0xFF8FC1C5)
YUV	178.5060, 9.1175, -31.1388
Hunter-Lab	69.2898, -16.9648, -2.8051

# Details

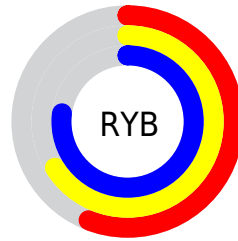
The Yxy color **48.0108, 0.2727, 0.3234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7490, 0.3700, 0.3345**, and the grayscale version is **44.7733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5327, 0.2796, 0.3247**, and **22.6726, 0.2622, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **45.7596, 0.2599, 0.3211**, and if you desaturate by 10%, it is **50.5811, 0.2866, 0.3256**.

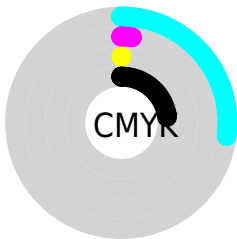
# Distribution



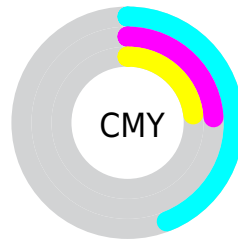
- Red (56%)
- Green (76%)
- Blue (77%)



- Red (56%)
- Yellow (66%)
- Blue (77%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)




- Cyan (44%)
- Magenta (24%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0108, 0.2727, 0.3234 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 48.0108, 0.2727, 0.3234 by changing the saturation by 10% instead.





 48.0108, 0.2727,  
0.3234

 48.0108, 0.2727,  
0.3234


378.8349, 0.2924,  
0.3265

 33.8354, 0.2679,  
0.3225


 87.2205, 0.2798,  
0.3246

 22.7672, 0.2618,  
0.3214


 113.0236, 0.2824,  
0.3250

 14.4217, 0.2538,  
0.3198

143.4714, 0.2847,  
0.3254

 8.4146, 0.2428,  
0.3174

178.9483, 0.2867,  
0.3257

 4.3613, 0.2268,  
0.3136

219.8388, 0.2884,  
0.3259

 1.8777, 0.2018,  
0.3065

266.5271, 0.2899,

 0.5349, 0.0760,

0.3261

0.3022

319.3977, 0.2912,  
0.3263

0.0000, 0.0000,  
0.0000

48.0108, 0.2727,  
0.3234

48.0108, 0.2727,  
0.3234

45.7596, 0.2599,  
0.3211

50.5811, 0.2866,  
0.3256

43.8055, 0.2486,  
0.3187

53.4798, 0.3014,  
0.3276

42.1329, 0.2389,  
0.3162

56.7226, 0.3168,  
0.3295

40.7223, 0.2311,  
0.3136

60.3230, 0.3324,  
0.3312

39.5515, 0.2252,  
0.3111

64.2932, 0.3481,  
0.3327

■ 38.5947, 0.2211,  
0.3086

■ 67.4371, 0.3586,  
0.3341

■ 37.8158, 0.2187,  
0.3061

■ 68.1282, 0.3583,  
0.3356

■ 37.6246, 0.2182,  
0.3055

■ 68.8258, 0.3580,  
0.3371

■ 69.5300, 0.3576,  
0.3386

# Harmonies

## Analogous

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



48.0108, 0.2876, 0.3455



48.0108, 0.2727, 0.3234



48.0108, 0.2682, 0.3039

# Triad

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



48.0108, 0.2727, 0.3234



48.0108, 0.3145, 0.2978



48.0108, 0.3513, 0.3660

# Complementary

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



48.0108, 0.2727, 0.3234



34.7490, 0.3700, 0.3345

# 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.



48.0108, 0.3594, 0.3516



48.0108, 0.2727, 0.3234



48.0108, 0.3377, 0.3129

# Square

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



48.0108, 0.2727, 0.3234



48.0108, 0.2916, 0.2902



48.0108, 0.3544, 0.3323



48.0108, 0.3329, 0.3707



# Rectangle

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



48.0108, 0.2727, 0.3234



48.0108, 0.2715, 0.2951



48.0108, 0.3544, 0.3323



48.0108, 0.3554, 0.3620

# Sweetspot

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



48.0127, 0.2727, 0.3234



95.3684, 0.3003, 0.3275



47.8779, 0.3066, 0.4017



20.2361, 0.2980, 0.3272



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.



48.0127, 0.2727, 0.3234



83.4467, 0.2647, 0.3220



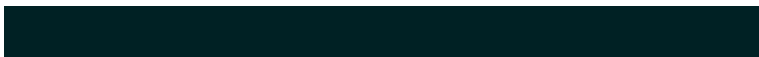
37.3091, 0.2690, 0.2856



11.9271, 0.2984, 0.3272



24.7986, 0.2183, 0.3058



1.2155, 0.2197, 0.3110



# Inverse Universe

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



35.3849, 0.3197, 0.2662



57.1520, 0.3214, 0.2522



43.9868, 0.3610, 0.3688



10.8025, 0.3149, 0.3079



10.0434, 0.3404, 0.1649

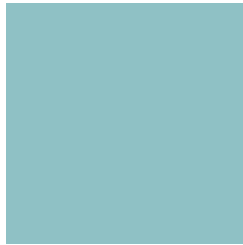


0.4797, 0.3359, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 48.0108, 0.2727, 0.3234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

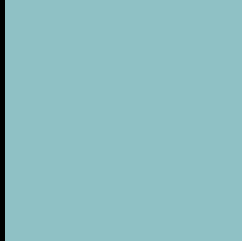
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0108, 0.2727, 0.3234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

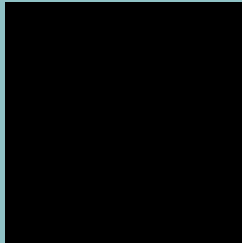
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

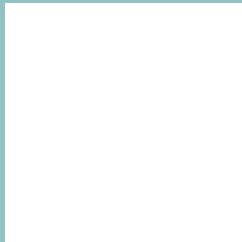
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0108, 0.2727, 0.3234**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0108, 0.2727, 0.3234.



This preview shows how white text looks on a background with the Yxy color 48.0108, 0.2727, 0.3234.

# 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

48.0108, 0.2727, 0.3234

### Protanopia

47.9428, 0.3082, 0.3188

### Deuteranopia

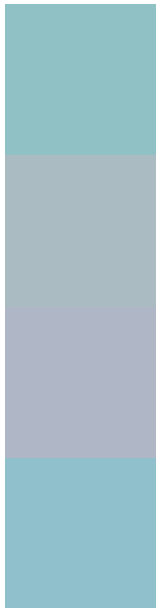
47.4803, 0.3089, 0.3018



## Tritanopia

47.7863, 0.2675, 0.3075

# Trichromacy



**Original Color**

48.0108, 0.2727, 0.3234

**Protanomaly**

47.9370, 0.2945, 0.3211

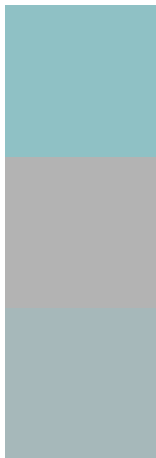
**Deuteranomaly**

47.1045, 0.2940, 0.3083

**Tritanomaly**

47.9404, 0.2694, 0.3140

# Monochromacy



**Original Color**

48.0108, 0.2727, 0.3234

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.9331, 0.2964, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0108, 0.2727, 0.3234 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(143, 193, 197)` looks like.

```
.text, #text, p{  
    color:rgb(143, 193, 197)  
}
```

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(143, 193, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 193, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0108, 0.2727, 0.3234 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(143, 193, 197) }
```

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

```
.border{ border-color:rgb(143, 193, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 193, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 193, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 193, 197); box-shadow:4px 4px 4px 4px rgb(143, 193, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0108, 0.2727, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 193, 197) }
```

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

```
.background{ background-color: rgb(143,  
193, 197) }
```

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