

# Converting Colors

$Y_{xy}(41.8244, 0.2622, 0.3251)$

Have a look what the booklet for  
Yxy(41.8244, 0.2622, 0.3251)  
contains.

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# Color

**Yxy(41.7908, 0.2618, 0.3244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77B8BB
RGB	119, 184, 187
RGB Percent	47%, 72%, 73%
CMY	0.5330, 0.2785, 0.2666
CMYK	0.36, 0.02, 0.00, 0.27
HSL	183°, 33%, 60%
HSV	183°, 36%, 73%
XYZ	33.7264, 41.7908, 53.3077
YIQ	164.9070, -39.7030, -12.8470

# Conversions

## Conversions Part 2

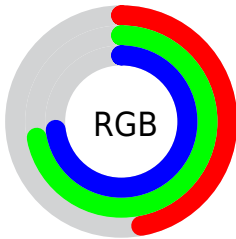
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 152, 187
Decimal	7846075
CIELab	70.73, -19.84, -8.10
CIELCh	71, 21.430, 202.214
Yxy	41.7908, 0.2618, 0.3244
Android (android.graphics.Color)	4286036155 (0xFF77B8BB)
YUV	164.9070, 10.8918, -40.2604
Hunter-Lab	64.6458, -20.0049, -3.6392

# Details

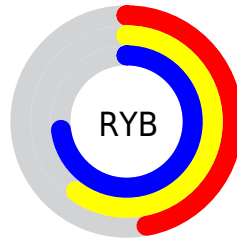
The Yxy color **41.7908, 0.2618, 0.3244** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.8434, 0.3975, 0.3335**, and the grayscale version is **37.5499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7899, 0.2711, 0.3255**, and **19.0776, 0.2468, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **40.2514, 0.2506, 0.3230**, and if you desaturate by 10%, it is **43.5960, 0.2744, 0.3258**.

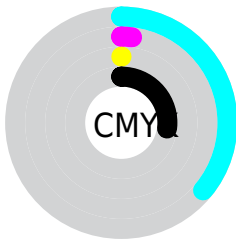
# Distribution



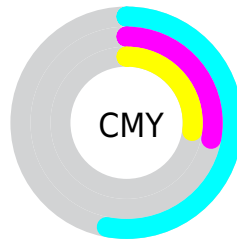
- Red (47%)
- Green (72%)
- Blue (73%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (28%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7908, 0.2618, 0.3244 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 41.7908, 0.2618, 0.3244 by changing the saturation by 10% instead.





 41.7908, 0.2618,  
0.3244

 41.7908, 0.2618,  
0.3244

353.6150, 0.2873,  
0.3272


 28.9375, 0.2554,  
0.3235


 77.8829, 0.2711,  
0.3255

 19.0336, 0.2472,  
0.3223


 101.8905, 0.2746,  
0.3259

 11.6945, 0.2363,  
0.3205


 130.3851, 0.2775,  
0.3263

 6.5360, 0.2212,  
0.3177


163.7509, 0.2800,  
0.3265

 3.1737, 0.1988,  
0.3126

202.3724, 0.2822,  
0.3267

 1.2231, 0.1598,  
0.3033

246.6340, 0.2841,

 0.0804, 0.0000,

0.3269

0.1095

296.9200, 0.2858,  
0.3271

0.0000, 0.0000,  
0.0000

41.7908, 0.2618,  
0.3244

41.7908, 0.2618,  
0.3244

40.2514, 0.2506,  
0.3230

43.5960, 0.2744,  
0.3258

38.9574, 0.2411,  
0.3215

45.6760, 0.2883,  
0.3271

37.8936, 0.2334,  
0.3200

48.0456, 0.3030,  
0.3283

37.0408, 0.2277,  
0.3185

50.7170, 0.3184,  
0.3294

36.3769, 0.2238,  
0.3170

53.7018, 0.3341,  
0.3304

■ 35.8728, 0.2215,  
0.3156

■ 57.0109, 0.3499,  
0.3313

■ 35.7061, 0.2209,  
0.3151

■ 60.6547, 0.3656,  
0.3321

■ 61.9542, 0.3696,  
0.3330

■ 62.3171, 0.3693,  
0.3338

# Harmonies

## Analogous

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



41.7908, 0.2824, 0.3541



41.7908, 0.2618, 0.3244



41.7908, 0.2544, 0.2980

# Triad

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



41.7908, 0.2618, 0.3244



41.7908, 0.3113, 0.2868



41.7908, 0.3656, 0.3759

# Complementary

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



41.7908, 0.2618, 0.3244



25.8434, 0.3975, 0.3335

# 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.



41.7908, 0.3747, 0.3554



41.7908, 0.2618, 0.3244



41.7908, 0.3425, 0.3053

# Square

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



41.7908, 0.2618, 0.3244



41.7908, 0.2819, 0.2781



41.7908, 0.3662, 0.3299



41.7908, 0.3423, 0.3846



# Rectangle

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



41.7908, 0.2618, 0.3244



41.7908, 0.2576, 0.2857



41.7908, 0.3662, 0.3299



41.7908, 0.3705, 0.3700

# Sweetspot

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



41.7925, 0.2618, 0.3244



83.9134, 0.2958, 0.3277



40.8615, 0.3061, 0.4334



18.3529, 0.2938, 0.3275



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.7925, 0.2618, 0.3244



72.4958, 0.2523, 0.3232



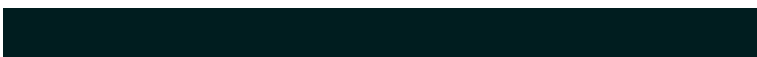
29.5783, 0.2546, 0.2727



10.7348, 0.2985, 0.3279



24.6276, 0.2209, 0.3152



0.9873, 0.2219, 0.3187



# Inverse Universe

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



27.2387, 0.3201, 0.2438



42.5785, 0.3219, 0.2254



35.4455, 0.3808, 0.3791



9.6888, 0.3144, 0.3074



9.5159, 0.3322, 0.1604

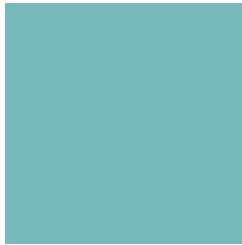


0.3750, 0.3293, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 41.7908, 0.2618, 0.3244 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 41.7908, 0.2618, 0.3244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

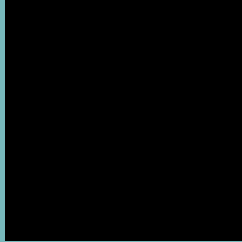
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7908, 0.2618, 0.3244**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7908, 0.2618, 0.3244.



This preview shows how white text looks on a background with the Yxy color 41.7908, 0.2618, 0.3244.

# 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

41.7908, 0.2618, 0.3244

### Protanopia

41.2647, 0.3079, 0.3181

### Deuteranopia

41.5467, 0.3060, 0.3002



## Tritanopia

41.6247, 0.2571, 0.3072

# Trichromacy



**Original Color**

41.7908, 0.2618, 0.3244

**Protanomaly**

41.2004, 0.2886, 0.3205

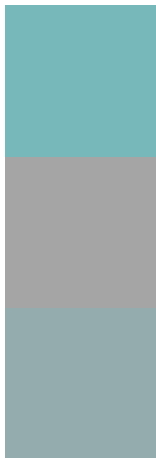
**Deuteranomaly**

41.2153, 0.2873, 0.3082

**Tritanomaly**

41.7822, 0.2591, 0.3143

# Monochromacy



**Original Color**

41.7908, 0.2618, 0.3244

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

38.8181, 0.2911, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7908, 0.2618, 0.3244 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(119, 184, 187)` looks like.

```
.text, #text, p{  
    color:rgb(119, 184, 187)  
}
```

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(119, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 184, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7908, 0.2618, 0.3244 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(119, 184, 187) }
```

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

```
.border{ border-color:rgb(119, 184, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 184, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(119, 184,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7908, 0.2618, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 184, 187) }
```

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

```
.background{ background-color: rgb(119,  
184, 187) }
```

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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