

# Converting Colors

$Yxy(44.1905, 0.2722, 0.3330)$

Have a look what the booklet for  
Yxy(44.1905, 0.2722, 0.3330)  
contains.

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# Color

**Yxy(44.3748, 0.2722, 0.3332)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	84BCB9
RGB	132, 188, 185
RGB Percent	52%, 74%, 73%
CMY	0.4825, 0.2627, 0.2745
CMYK	0.30, 0.00, 0.02, 0.26
HSL	177°, 29%, 63%
HSV	177°, 30%, 74%
XYZ	36.2510, 44.3748, 52.5519
YIQ	170.9140, -32.4130, -12.8050

# Conversions

## Conversions Part 2

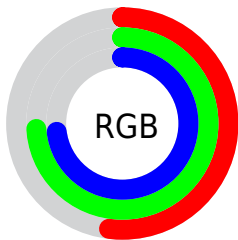
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 161, 188
Decimal	8699065
CIE <sub>Lab</sub>	72.48, -18.77, -4.33
CIE <sub>LCh</sub>	72, 19.264, 192.999
Yxy	44.3748, 0.2722, 0.3332
Android (android.graphics.Color)	4286889145 (0xFF84BCB9)
YUV	170.9140, 6.9444, -34.1276
Hunter-Lab	66.6144, -19.4371, -0.1436

# Details

The Yxy color **44.3748, 0.2722, 0.3332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9336, 0.3747, 0.3250**, and the grayscale version is **40.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6170, 0.2797, 0.3322**, and **20.6994, 0.2611, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **42.9530, 0.2609, 0.3348**, and if you desaturate by 10%, it is **46.0736, 0.2848, 0.3317**.

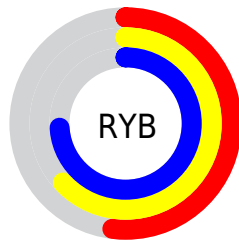
# Distribution



Red (52%)

Green (74%)

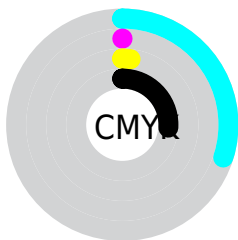
Blue (73%)



Red (52%)

Yellow (63%)

Blue (74%)

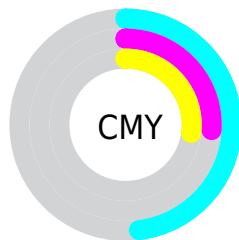


Cyan (30%)

Magenta (0%)

Yellow (2%)

Black (26%)



Cyan (48%)

Magenta (26%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3748, 0.2722, 0.3332 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 44.3748, 0.2722, 0.3332 by changing the saturation by 10% instead.




 44.3748, 0.2722,  
0.3332

 44.3748, 0.2722,  
0.3332


364.2355, 0.2924,  
0.3313

 30.9653, 0.2672,  
0.3336


 81.7814, 0.2795,  
0.3326

 20.5724, 0.2607,  
0.3340


 106.5473, 0.2823,  
0.3323

 12.8118, 0.2521,  
0.3346


 135.8674, 0.2846,  
0.3321

 7.2991, 0.2402,  
0.3351

170.1262, 0.2866,  
0.3319

 3.6498, 0.2225,  
0.3356

209.7080, 0.2884,  
0.3317

 1.4797, 0.1938,  
0.3355

254.9972, 0.2899,

 0.2744, 0.0000,

0.3316

0.3132

306.3783, 0.2912,  
0.3315

0.0000, 0.0000,  
0.0000

44.3748, 0.2722,  
0.3332

44.3748, 0.2722,  
0.3332

42.9530, 0.2609,  
0.3348

46.0736, 0.2848,  
0.3317

41.7881, 0.2511,  
0.3365

48.0577, 0.2985,  
0.3303

40.8659, 0.2431,  
0.3383

50.3414, 0.3130,  
0.3290

40.1685, 0.2370,  
0.3400

52.9367, 0.3279,  
0.3278

39.6757, 0.2327,  
0.3418

55.8549, 0.3431,  
0.3268

■ 39.3634, 0.2303,  
0.3436

■ 59.1067, 0.3582,  
0.3259

■ 39.1850, 0.2293,  
0.3453

■ 61.0404, 0.3660,  
0.3249

■ 39.1819, 0.2293,  
0.3454

■ 61.0854, 0.3651,  
0.3239

■ 61.1307, 0.3642,  
0.3228

# Harmonies

## Analogous

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



44.3748, 0.2934, 0.3582



44.3748, 0.2722, 0.3332



44.3748, 0.2617, 0.3083

# Triad

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



44.3748, 0.2722, 0.3332



44.3748, 0.3031, 0.2881



44.3748, 0.3634, 0.3659

# Complementary

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



44.3748, 0.2722, 0.3332



28.9336, 0.3747, 0.3250

# 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.



44.3748, 0.3666, 0.3459



44.3748, 0.2722, 0.3332



44.3748, 0.3309, 0.3022

# Square

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



44.3748, 0.2722, 0.3332



44.3748, 0.2789, 0.2837



44.3748, 0.3545, 0.3229



44.3748, 0.3462, 0.3770



# Rectangle

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



44.3748, 0.2722, 0.3332



44.3748, 0.2618, 0.2953



44.3748, 0.3545, 0.3229



44.3748, 0.3662, 0.3599

# Sweetspot

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



44.3766, 0.2722, 0.3332



87.3433, 0.2995, 0.3302



42.8453, 0.3117, 0.4140



18.6618, 0.2974, 0.3304



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.



44.3766, 0.2722, 0.3332



78.6140, 0.2644, 0.3343



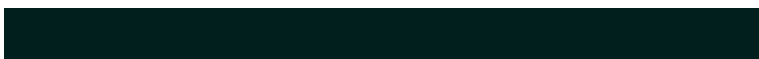
34.9858, 0.2663, 0.2929



10.8004, 0.2992, 0.3302



26.6770, 0.2292, 0.3451



1.0477, 0.2280, 0.3409



# Inverse Universe

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



28.9336, 0.3747, 0.3250



45.9673, 0.3952, 0.3241



36.2187, 0.3686, 0.3625



9.5445, 0.3280, 0.3278



7.2979, 0.6333, 0.3262

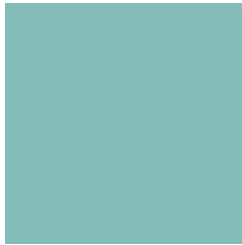


0.2887, 0.6082, 0.3124



# Previews

## White Background



This preview shows how the Yxy color 44.3748, 0.2722, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

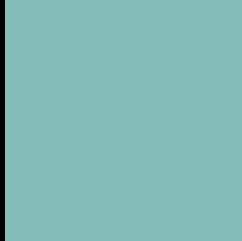
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3748, 0.2722, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

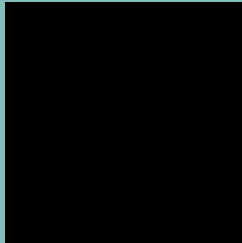
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

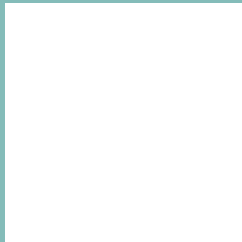
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3748, 0.2722, 0.3332**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3748, 0.2722, 0.3332.

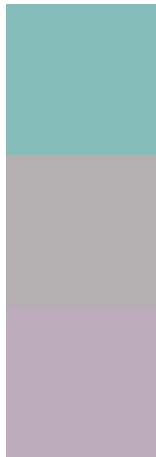


This preview shows how white text looks on a background with the Yxy color 44.3748, 0.2722, 0.3332.

# 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

44.3748, 0.2722, 0.3332

### Protanopia

43.9683, 0.3146, 0.3264

### Deuteranopia

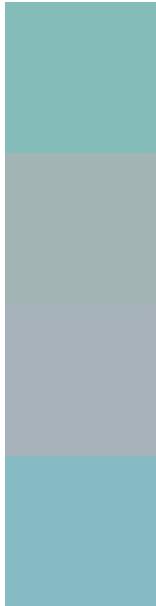
43.9547, 0.3146, 0.3085



## Tritanopia

44.5691, 0.2644, 0.3081

# Trichromacy



**Original Color**

44.3748, 0.2722, 0.3332

**Protanomaly**

43.7652, 0.2977, 0.3276

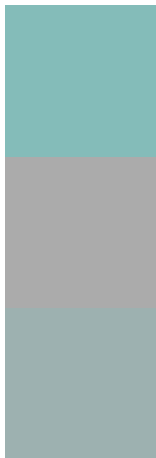
**Deuteranomaly**

43.7535, 0.2972, 0.3169

**Tritanomaly**

44.6317, 0.2677, 0.3176

# Monochromacy



**Original Color**

44.3748, 0.2722, 0.3332

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.7470, 0.2965, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3748, 0.2722, 0.3332 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(132, 188, 185)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 185)  
}
```

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(132, 188, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3748, 0.2722, 0.3332 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(132, 188, 185) }
```

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

```
.border{ border-color:rgb(132, 188, 185) }
```

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

Here you see how a box with a 4 pixel rgb(132, 188, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3748, 0.2722, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 185) }
```

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

```
.background{ background-color: rgb(132,  
188, 185) }
```

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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