

# Converting Colors

$Y_{xy}(44.7350, 0.2614, 0.3287)$

Have a look what the booklet for  
Yxy(44.7350, 0.2614, 0.3287)  
contains.

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# Color

**Yxy(44.5816, 0.2612, 0.3274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BEBF
RGB	120, 190, 191
RGB Percent	47%, 75%, 75%
CMY	0.5292, 0.2549, 0.2510
CMYK	0.37, 0.01, 0.00, 0.25
HSL	181°, 36%, 61%
HSV	181°, 37%, 75%
XYZ	35.5672, 44.5816, 56.0198
YIQ	169.1840, -42.0410, -14.5290

# Conversions

## Conversions Part 2

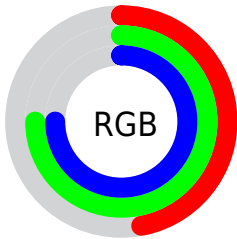
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 155, 191
Decimal	7913151
CIELab	72.62, -21.66, -7.47
CIElCh	73, 22.909, 199.041
Yxy	44.5816, 0.2612, 0.3274
Android (android.graphics.Color)	4286103231 (0xFF78BEBF)
YUV	169.1840, 10.7553, -43.1344
Hunter-Lab	66.7695, -21.7619, -3.0059

# Details

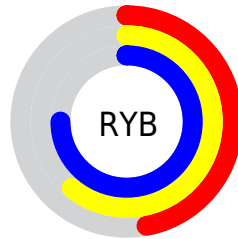
The Yxy color **44.5816, 0.2612, 0.3274** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.1196, 0.4016, 0.3307**, and the grayscale version is **39.7387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7409, 0.2704, 0.3278**, and **20.6015, 0.2465, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **43.2338, 0.2504, 0.3269**, and if you desaturate by 10%, it is **46.2056, 0.2735, 0.3279**.

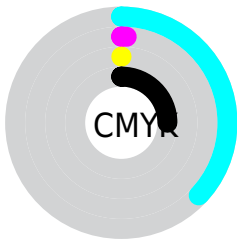
# Distribution



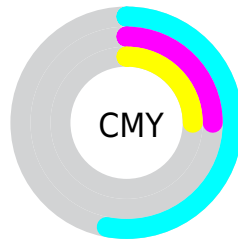
- Red (47%)
- Green (75%)
- Blue (75%)



- Red (47%)
- Yellow (61%)
- Blue (75%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (53%)
- Magenta (25%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5816, 0.2612, 0.3274 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 44.5816, 0.2612, 0.3274 by changing the saturation by 10% instead.




 44.5816, 0.2612,  
0.3274


 44.5816, 0.2612,  
0.3274


365.0764, 0.2868,  
0.3287

 31.1280, 0.2549,  
0.3269


 82.0922, 0.2704,  
0.3280

 20.6963, 0.2468,  
0.3263


 106.9180, 0.2739,  
0.3282

 12.9022, 0.2362,  
0.3252


 136.3033, 0.2769,  
0.3283

 7.3612, 0.2216,  
0.3234

170.6325, 0.2794,  
0.3284

 3.6890, 0.2003,  
0.3201

210.2900, 0.2816,  
0.3285

 1.5012, 0.1666,  
0.3130

255.6602, 0.2835,

 0.2896, 0.0000,

0.3286

0.2568

307.1276, 0.2852,  
0.3286

0.0000, 0.0000,  
0.0000

44.5816, 0.2612,  
0.3274

44.5816, 0.2612,  
0.3274

43.2338, 0.2504,  
0.3269

46.2056, 0.2735,  
0.3279

42.1406, 0.2414,  
0.3264

48.1153, 0.2871,  
0.3283

41.2857, 0.2343,  
0.3260


50.3265, 0.3018,  
0.3287

40.6488, 0.2291,  
0.3255


52.8520, 0.3172,  
0.3291


40.2061, 0.2257,  
0.3250

55.7040, 0.3330,  
0.3295

 39.9246, 0.2239,  
0.3246

 58.8942, 0.3489,  
0.3298

 39.8565, 0.2235,  
0.3244

 62.4335, 0.3648,  
0.3301

 62.7895, 0.3658,  
0.3304

 62.9083, 0.3657,  
0.3306

# Harmonies

## Analogous

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



44.5816, 0.2839, 0.3583



44.5816, 0.2612, 0.3274



44.5816, 0.2519, 0.2990

# Triad

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



44.5816, 0.2612, 0.3274



44.5816, 0.3077, 0.2834



44.5816, 0.3699, 0.3761

# Complementary

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



44.5816, 0.2612, 0.3274



26.1196, 0.4016, 0.3307

# 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.



44.5816, 0.3775, 0.3538



44.5816, 0.2612, 0.3274



44.5816, 0.3406, 0.3018

# Square

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



44.5816, 0.2612, 0.3274



44.5816, 0.2777, 0.2756



44.5816, 0.3667, 0.3270



44.5816, 0.3466, 0.3870



# Rectangle

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



44.5816, 0.2612, 0.3274



44.5816, 0.2542, 0.2854



44.5816, 0.3667, 0.3270



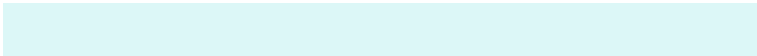
44.5816, 0.3744, 0.3696

# Sweetspot

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



44.5834, 0.2612, 0.3274



88.4752, 0.2958, 0.3286



42.6148, 0.3075, 0.4401



19.3086, 0.2938, 0.3285



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



44.5834, 0.2612, 0.3274



77.7508, 0.2519, 0.3270



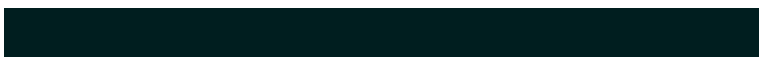
31.3746, 0.2537, 0.2748



10.7858, 0.2985, 0.3286



26.2040, 0.2235, 0.3245



1.0339, 0.2238, 0.3256



# Inverse Universe

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



28.2374, 0.3180, 0.2395



44.0983, 0.3192, 0.2203



36.0502, 0.3840, 0.3773



9.6939, 0.3140, 0.3067



9.6750, 0.3244, 0.1561

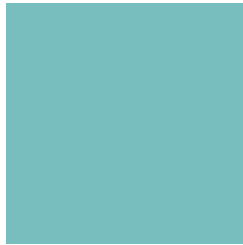


0.3797, 0.3235, 0.1556



# Previews

## White Background



This preview shows how the Yxy color 44.5816, 0.2612, 0.3274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

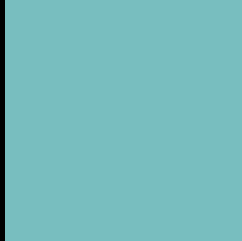
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5816, 0.2612, 0.3274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

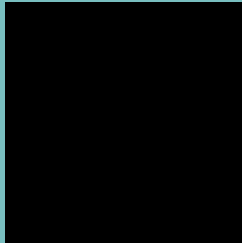
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

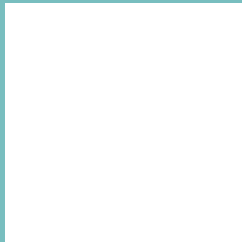
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.5816, 0.2612, 0.3274**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5816, 0.2612, 0.3274.

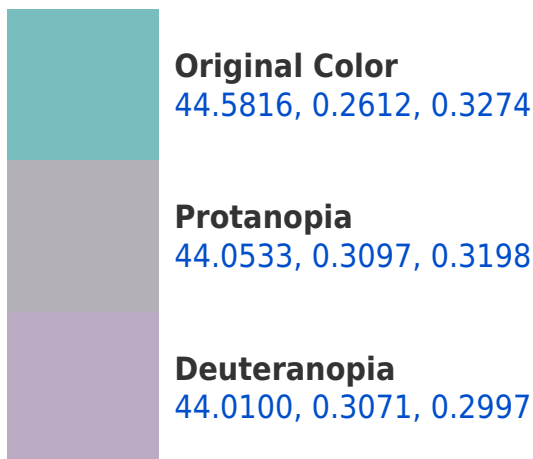


This preview shows how white text looks on a background with the Yxy color 44.5816, 0.2612, 0.3274.

# 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





## Tritanopia

44.4892, 0.2555, 0.3078

# Trichromacy



## Original Color

44.5816, 0.2612, 0.3274

## Protanomaly

43.8620, 0.2899, 0.3221

## Deuteranomaly

43.9218, 0.2880, 0.3088

## Tritanomaly

44.6563, 0.2574, 0.3147

# Monochromacy



## Original Color

44.5816, 0.2612, 0.3274

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

41.1979, 0.2908, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5816, 0.2612, 0.3274 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(120, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(120, 190, 191)  
}
```

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(120, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 190, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5816, 0.2612, 0.3274 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(120, 190, 191) }
```

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

```
.border{ border-color:rgb(120, 190, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 190, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(120, 190,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5816, 0.2612, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 190, 191) }
```

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

```
.background{ background-color: rgb(120,  
190, 191) }
```

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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