

# Converting Colors

$Y_{xy}(44.6200, 0.2733, 0.3363)$

Have a look what the booklet for  
Yxy(44.6200, 0.2733, 0.3363)  
contains.

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# Color

**Yxy(44.7614, 0.2730, 0.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BDB8
RGB	132, 189, 184
RGB Percent	52%, 74%, 72%
CMY	0.4825, 0.2588, 0.2785
CMYK	0.30, 0.00, 0.03, 0.26
HSL	175°, 30%, 63%
HSV	175°, 30%, 74%
XYZ	36.3578, 44.7614, 52.0596
YIQ	171.3870, -32.3670, -13.6390

# Conversions

## Conversions Part 2

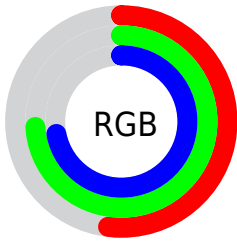
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 162, 189</a>
Decimal	<a href="#">8699320</a>
CIELab	<a href="#">72.73, -19.52, -3.40</a>
CIELCh	<a href="#">73, 19.812, 189.881</a>
Yxy	<a href="#">44.7614, 0.2730, 0.3361</a>
Android (android.graphics.Color)	<a href="#">4286889400 (0xFF84BDB8)</a>
YUV	<a href="#">171.3870, 6.2182, -34.5424</a>
Hunter-Lab	<a href="#">66.9040, -20.0792, 0.6978</a>

# Details

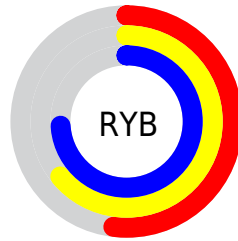
The Yxy color **44.7614, 0.2730, 0.3361** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.1169, 0.3735, 0.3222**, and the grayscale version is **40.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1609, 0.2803, 0.3344**, and **20.9525, 0.2622, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **43.3060, 0.2620, 0.3388**, and if you desaturate by 10%, it is **46.4972, 0.2852, 0.3336**.

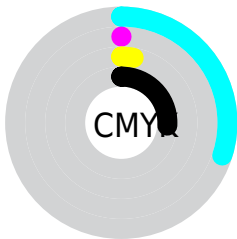
# Distribution



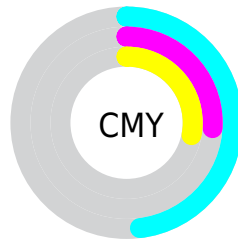
- Red (52%)
- Green (74%)
- Blue (72%)



- Red (52%)
- Yellow (64%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)




- Cyan (48%)
- Magenta (26%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7614, 0.2730, 0.3361 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 44.7614, 0.2730, 0.3361 by changing the saturation by 10% instead.




 44.7614, 0.2730,  
0.3361

 44.7614, 0.2730,  
0.3361


365.8064, 0.2928,  
0.3327


 31.2695, 0.2681,  
0.3369


 82.3623, 0.2802,  
0.3349

 20.8042, 0.2617,  
0.3378


 107.2400, 0.2829,  
0.3345

 12.9809, 0.2533,  
0.3391


 136.6819, 0.2852,  
0.3341

 7.4154, 0.2416,  
0.3406

171.0722, 0.2872,  
0.3337

 3.7232, 0.2243,  
0.3427

210.7955, 0.2889,  
0.3334

 1.5200, 0.1961,  
0.3452

256.2360, 0.2903,

 0.3027, 0.0000,

0.3332

0.3479

307.7781, 0.2917,  
0.3330

0.0000, 0.0000,  
0.0000

44.7614, 0.2730,  
0.3361

44.7614, 0.2730,  
0.3361

43.3060, 0.2620,  
0.3388

46.4972, 0.2852,  
0.3336

42.1108, 0.2526,  
0.3416

48.5219, 0.2985,  
0.3312

41.1612, 0.2449,  
0.3446


50.8501, 0.3124,  
0.3290

40.4390, 0.2391,  
0.3476


53.4940, 0.3269,  
0.3271


39.9235, 0.2352,  
0.3505

56.4649, 0.3414,  
0.3253

 39.5904, 0.2330,  
0.3535

 59.7738, 0.3560,  
0.3238

 39.3930, 0.2323,  
0.3564

 61.6311, 0.3627,  
0.3222

 61.7073, 0.3613,  
0.3205

 61.7844, 0.3599,  
0.3188

# Harmonies

## Analogous

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



44.7614, 0.2957, 0.3613



44.7614, 0.2730, 0.3361



44.7614, 0.2610, 0.3101

# Triad

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



44.7614, 0.2730, 0.3361



44.7614, 0.2999, 0.2861



44.7614, 0.3657, 0.3649

# Complementary

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



44.7614, 0.2730, 0.3361



29.1169, 0.3735, 0.3222

# 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.



44.7614, 0.3674, 0.3439



44.7614, 0.2730, 0.3361



44.7614, 0.3285, 0.2997

# Square

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



44.7614, 0.2730, 0.3361



44.7614, 0.2759, 0.2827



44.7614, 0.3535, 0.3204



44.7614, 0.3494, 0.3776



# Rectangle

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



44.7614, 0.2730, 0.3361



44.7614, 0.2602, 0.2963



44.7614, 0.3535, 0.3204



44.7614, 0.3681, 0.3586

# Sweetspot

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



44.7632, 0.2730, 0.3361



87.2974, 0.2999, 0.3310



43.4405, 0.3132, 0.4149



18.6503, 0.2979, 0.3313



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.



44.7632, 0.2730, 0.3361



78.4349, 0.2658, 0.3378



35.9185, 0.2660, 0.2952



10.7946, 0.2996, 0.3310



26.5061, 0.2322, 0.3560



1.0426, 0.2303, 0.3489



# Inverse Universe

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



29.1169, 0.3735, 0.3222



46.0761, 0.3921, 0.3207



35.8545, 0.3703, 0.3604



9.5497, 0.3275, 0.3270



7.3108, 0.6287, 0.3237

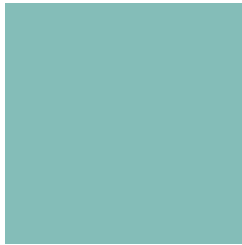


0.2910, 0.5899, 0.3023



# Previews

## White Background



This preview shows how the Yxy color 44.7614, 0.2730, 0.3361 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 44.7614, 0.2730, 0.3361 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 44.7614, 0.2730, 0.3361**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7614, 0.2730, 0.3361.

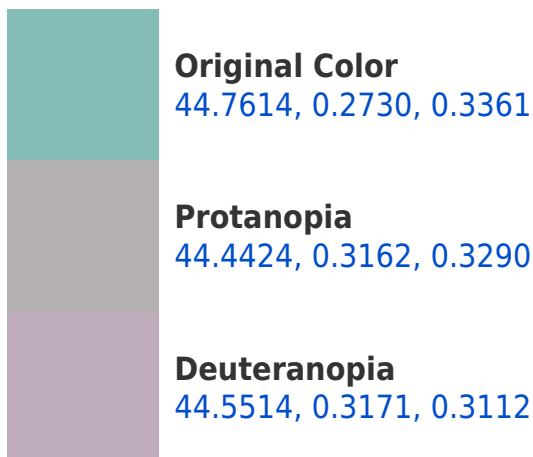


This preview shows how white text looks on a background with the Yxy color 44.7614, 0.2730, 0.3361.

# 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

44.5691, 0.2644, 0.3081

# Trichromacy



## Original Color

44.7614, 0.2730, 0.3361

## Protanomaly

44.1296, 0.2984, 0.3303

## Deuteranomaly

44.3314, 0.2996, 0.3196

## Tritanomaly

44.6317, 0.2677, 0.3176

# Monochromacy



## Original Color

44.7614, 0.2730, 0.3361

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

42.1435, 0.2965, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7614, 0.2730, 0.3361 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, 189, 184)` looks like.

```
.text, #text, p{  
    color:rgb(132, 189, 184)  
}
```

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, 189, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 189, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7614, 0.2730, 0.3361 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, 189, 184) }
```

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

```
.border{ border-color:rgb(132, 189, 184) }
```

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

Here you see how a box with a 4 pixel rgb(132, 189, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 189, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 189, 184);  
box-shadow:4px 4px 4px 4px rgb(132, 189,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7614, 0.2730, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 189, 184) }
```

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

```
.background{ background-color: rgb(132,  
189, 184) }
```

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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