

# Converting Colors

$Yxy(45.1644, 0.2679, 0.3386)$

Have a look what the booklet for  
Yxy(45.1644, 0.2679, 0.3386)  
contains.

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# Color

**Yxy(45.0495, 0.2675, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CBFB9
RGB	124, 191, 185
RGB Percent	49%, 75%, 73%
CMY	0.5136, 0.2510, 0.2744
CMYK	0.35, 0.00, 0.03, 0.25
HSL	175°, 34%, 62%
HSV	175°, 35%, 75%
XYZ	35.7059, 45.0495, 52.7246
YIQ	170.2830, -38.0060, -16.0700

# Conversions

## Conversions Part 2

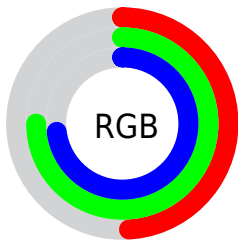
Format	Color
<a href="#">RYB</a>	<a href="#">124, 159, 191</a>
Decimal	<a href="#">8175545</a>
CIELab	<a href="#">72.92, -22.52, -3.74</a>
CIELCh	<a href="#">73, 22.827, 189.418</a>
Yxy	<a href="#">45.0495, 0.2675, 0.3375</a>
Android (android.graphics.Color)	<a href="#">4286365625 (0xFF7CBFB9)</a>
YUV	<a href="#">170.2830, 7.2555, -40.5902</a>
Hunter-Lab	<a href="#">67.1189, -22.4998, 0.4086</a>

# Details

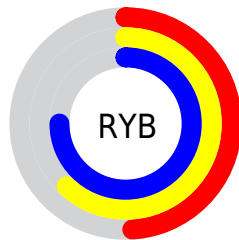
The Yxy color **45.0495, 0.2675, 0.3375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.1133, 0.3874, 0.3210**, and the grayscale version is **40.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0694, 0.2757, 0.3366**, and **20.8969, 0.2548, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **43.6913, 0.2573, 0.3403**, and if you desaturate by 10%, it is **46.6877, 0.2792, 0.3348**.

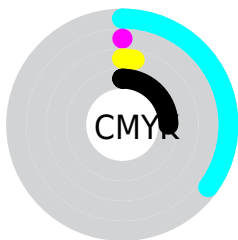
# Distribution



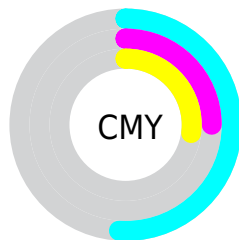
- Red (49%)
- Green (75%)
- Blue (73%)



- Red (49%)
- Yellow (62%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)




- Cyan (51%)
- Magenta (25%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0495, 0.2675, 0.3375 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 45.0495, 0.2675, 0.3375 by changing the saturation by 10% instead.




 45.0495, 0.2675,  
0.3375


 45.0495, 0.2675,  
0.3375


366.9740, 0.2900,  
0.3335

 31.4964, 0.2619,  
0.3384


 82.7947, 0.2757,  
0.3361

 20.9771, 0.2548,  
0.3396


 107.7556, 0.2787,  
0.3356

 13.1073, 0.2453,  
0.3410


 137.2879, 0.2813,  
0.3351

 7.5025, 0.2322,  
0.3428

171.7759, 0.2836,  
0.3347

 3.7783, 0.2129,  
0.3451

211.6042, 0.2855,  
0.3343

 1.5503, 0.1818,  
0.3478

257.1570, 0.2872,

 0.3238, 0.0000,

0.3340

308.8188, 0.2887,  
0.3338

0.3454

0.0000, 0.0000,  
0.0000

45.0495, 0.2675,  
0.3375

45.0495, 0.2675,  
0.3375

43.6913, 0.2573,  
0.3403

46.6877, 0.2792,  
0.3348

42.5919, 0.2487,  
0.3432

48.6154, 0.2919,  
0.3324

41.7353, 0.2419,  
0.3462

50.8478, 0.3056,  
0.3301

41.1019, 0.2370,  
0.3493


53.3978, 0.3198,  
0.3280

40.6687, 0.2340,  
0.3523

56.2775, 0.3343,  
0.3261


 40.4077, 0.2327,  
0.3553

 59.4983, 0.3489,  
0.3245

 40.3138, 0.2324,  
0.3568

 62.5482, 0.3611,  
0.3230

 62.6267, 0.3597,  
0.3212

 62.7061, 0.3583,  
0.3194

# Harmonies

## Analogous

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



45.0495, 0.2934, 0.3667



45.0495, 0.2675, 0.3375



45.0495, 0.2537, 0.3074

# Triad

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



45.0495, 0.2675, 0.3375



45.0495, 0.2974, 0.2800



45.0495, 0.3738, 0.3696

# Complementary

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



45.0495, 0.2675, 0.3375



27.1133, 0.3874, 0.3210

# 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.



45.0495, 0.3756, 0.3453



45.0495, 0.2675, 0.3375



45.0495, 0.3302, 0.2952

# Square

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



45.0495, 0.2675, 0.3375



45.0495, 0.2702, 0.2762



45.0495, 0.3593, 0.3186



45.0495, 0.3551, 0.3848



# Rectangle

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



45.0495, 0.2675, 0.3375



45.0495, 0.2527, 0.2915



45.0495, 0.3593, 0.3186



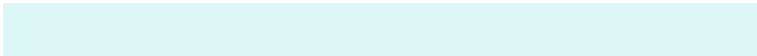
45.0495, 0.3765, 0.3622

# Sweetspot

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



45.0513, 0.2675, 0.3375



88.5614, 0.2971, 0.3315



43.5199, 0.3130, 0.4312



19.3298, 0.2953, 0.3318



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.



45.0513, 0.2675, 0.3375



78.7949, 0.2596, 0.3396



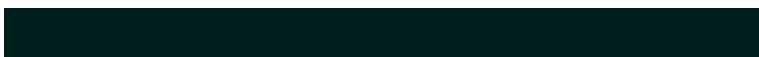
34.6768, 0.2585, 0.2888



10.7945, 0.2996, 0.3310



26.5014, 0.2323, 0.3563



1.0424, 0.2303, 0.3492



# Inverse Universe

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



27.1133, 0.3874, 0.3210



41.9130, 0.4121, 0.3193



34.6081, 0.3822, 0.3657



9.5498, 0.3275, 0.3270



7.3112, 0.6285, 0.3236

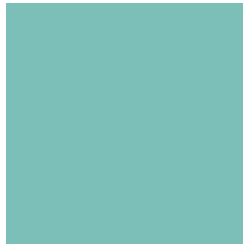


0.2911, 0.5894, 0.3021



# Previews

## White Background



This preview shows how the Yxy color 45.0495, 0.2675, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

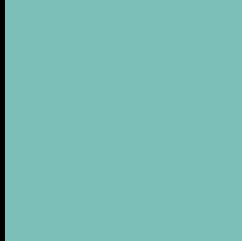
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0495, 0.2675, 0.3375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

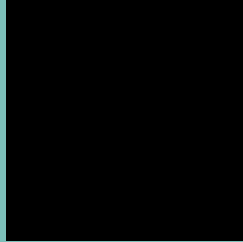
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

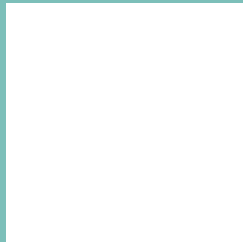
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.0495, 0.2675, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0495, 0.2675, 0.3375.

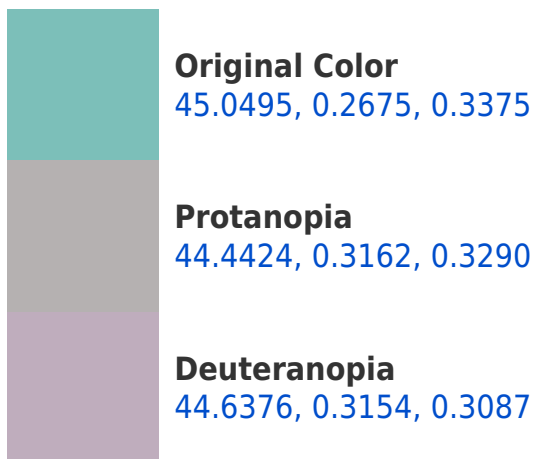


This preview shows how white text looks on a background with the Yxy color 45.0495, 0.2675, 0.3375.

# 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

44.9454, 0.2591, 0.3080

# Trichromacy



**Original Color**

45.0495, 0.2675, 0.3375

**Protanomaly**

44.2248, 0.2960, 0.3317

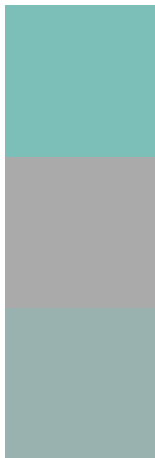
**Deuteranomaly**

44.4888, 0.2957, 0.3182

**Tritanomaly**

44.8927, 0.2623, 0.3190

# Monochromacy



**Original Color**

45.0495, 0.2675, 0.3375

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.7082, 0.2940, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0495, 0.2675, 0.3375 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(124, 191, 185)` looks like.

```
.text, #text, p{  
    color:rgb(124, 191, 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(124, 191, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 191, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0495, 0.2675, 0.3375 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(124, 191, 185) }
```

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

```
.border{ border-color:rgb(124, 191, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 191, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 191, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 191, 185);  
box-shadow:4px 4px 4px 4px rgb(124, 191,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0495, 0.2675, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 191, 185) }
```

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

```
.background{ background-color: rgb(124,  
191, 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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