

# Converting Colors

$Y_{xy}(45.7068, 0.2653, 0.3256)$

Have a look what the booklet for  
Yxy(45.7068, 0.2653, 0.3256)  
contains.

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# Color

**Yxy(45.7790, 0.2657, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81BFC1
RGB	129, 191, 193
RGB Percent	51%, 75%, 76%
CMY	0.4941, 0.2510, 0.2430
CMYK	0.33, 0.01, 0.00, 0.24
HSL	182°, 34%, 63%
HSV	182°, 33%, 76%
XYZ	37.3113, 45.7790, 57.3361
YIQ	172.6900, -37.5940, -12.5220

# Conversions

## Conversions Part 2

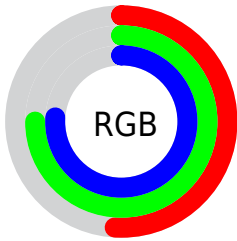
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 160, 193
Decimal	8503233
CIE <sub>Lab</sub>	73.40, -19.25, -7.36
CIE <sub>LCh</sub>	73, 20.610, 200.934
Yxy	45.7790, 0.2657, 0.3260
Android (android.graphics.Color)	4286693313 (0xFF81BFC1)
YUV	172.6900, 10.0128, -38.3161
Hunter-Lab	67.6602, -19.9713, -2.8810

# Details

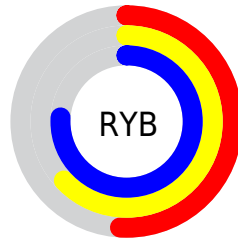
The Yxy color **45.7790, 0.2657, 0.3260** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.1641, 0.3880, 0.3320**, and the grayscale version is **41.5868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5514, 0.2742, 0.3267**, and **21.3213, 0.2523, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **44.1438, 0.2541, 0.3250**, and if you desaturate by 10%, it is **47.7045, 0.2787, 0.3270**.

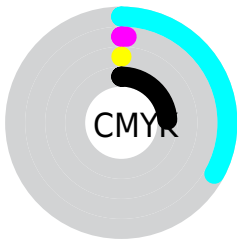
# Distribution



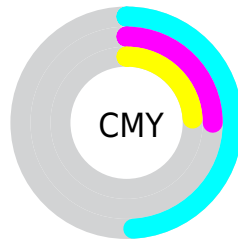
- Red (51%)
- Green (75%)
- Blue (76%)



- Red (51%)
- Yellow (63%)
- Blue (76%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)




- Cyan (49%)
- Magenta (25%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7790, 0.2657, 0.3260 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 45.7790, 0.2657, 0.3260 by changing the saturation by 10% instead.





 45.7790, 0.2657,  
0.3260


 45.7790, 0.2657,  
0.3260


369.9194, 0.2890,  
0.3279


 32.0715, 0.2600,  
0.3254


 83.8882, 0.2741,  
0.3268

 21.4161, 0.2527,  
0.3246


 109.0586, 0.2773,  
0.3270

 13.4285, 0.2431,  
0.3233


 138.8187, 0.2799,  
0.3273

 7.7243, 0.2299,  
0.3214

173.5530, 0.2823,  
0.3274

 3.9190, 0.2106,  
0.3179

213.6458, 0.2843,  
0.3276

 1.6284, 0.1803,  
0.3110

259.4816, 0.2860,

 0.3766, 0.0000,

0.3277

0.2894

311.4447, 0.2876,  
0.3278

0.0000, 0.0000,  
0.0000

45.7790, 0.2657,  
0.3260

45.7790, 0.2657,  
0.3260

44.1438, 0.2541,  
0.3250

47.7045, 0.2787,  
0.3270

42.7773, 0.2442,  
0.3239

49.9296, 0.2928,  
0.3279

41.6635, 0.2361,  
0.3229

52.4701, 0.3078,  
0.3287


40.7827, 0.2299,  
0.3218


55.3388, 0.3234,  
0.3295


40.1120, 0.2256,  
0.3208

58.5481, 0.3392,  
0.3302


 39.6241, 0.2230,  
0.3197

 62.1095, 0.3551,  
0.3309

 39.3601, 0.2220,  
0.3191

 64.2639, 0.3634,  
0.3315

 64.5384, 0.3632,  
0.3321

 64.8140, 0.3631,  
0.3327

# Harmonies

## Analogous

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



45.7790, 0.2855, 0.3535



45.7790, 0.2657, 0.3260



45.7790, 0.2582, 0.3010

# Triad

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



45.7790, 0.2657, 0.3260



45.7790, 0.3102, 0.2889



45.7790, 0.3628, 0.3722

# Complementary

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



45.7790, 0.2657, 0.3260



29.1641, 0.3880, 0.3320

# 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.



45.7790, 0.3705, 0.3529



45.7790, 0.2657, 0.3260



45.7790, 0.3394, 0.3060

# Square

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



45.7790, 0.2657, 0.3260



45.7790, 0.2829, 0.2812



45.7790, 0.3619, 0.3289



45.7790, 0.3415, 0.3807



# Rectangle

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



45.7790, 0.2657, 0.3260



45.7790, 0.2607, 0.2892



45.7790, 0.3619, 0.3289



45.7790, 0.3671, 0.3667

# Sweetspot

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



45.7808, 0.2657, 0.3260



90.7084, 0.2973, 0.3282



44.4317, 0.3074, 0.4247



19.3265, 0.2952, 0.3280



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.



45.7808, 0.2657, 0.3260



79.7371, 0.2569, 0.3253



33.6407, 0.2599, 0.2799



11.3721, 0.2984, 0.3282



26.1945, 0.2220, 0.3192



1.1492, 0.2226, 0.3215



# Inverse Universe

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



30.8024, 0.3186, 0.2500



48.7985, 0.3200, 0.2329



38.7942, 0.3744, 0.3734



10.2418, 0.3142, 0.3070



9.9266, 0.3289, 0.1585



0.4307, 0.3270, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 45.7790, 0.2657, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

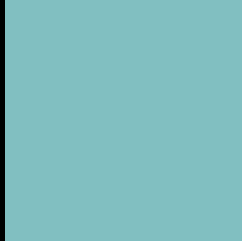
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7790, 0.2657, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

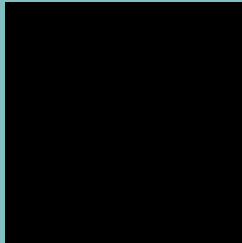
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

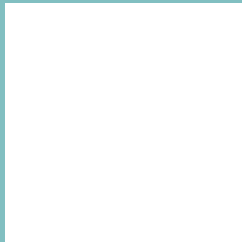
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7790, 0.2657, 0.3260**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7790, 0.2657, 0.3260.

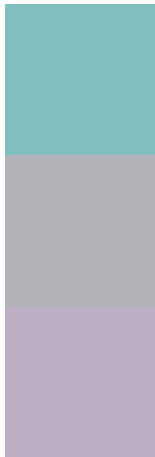


This preview shows how white text looks on a background with the Yxy color 45.7790, 0.2657, 0.3260.

# 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

45.7790, 0.2657, 0.3260

### Protanopia

45.6091, 0.3089, 0.3199

### Deuteranopia

45.4643, 0.3079, 0.3025



## Tritanopia

45.6604, 0.2606, 0.3081

# Trichromacy



**Original Color**

45.7790, 0.2657, 0.3260

**Protanomaly**

45.2225, 0.2910, 0.3208

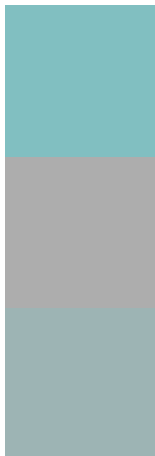
**Deuteranomaly**

45.2034, 0.2905, 0.3104

**Tritanomaly**

45.8223, 0.2625, 0.3149

# Monochromacy



**Original Color**

45.7790, 0.2657, 0.3260

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.1059, 0.2935, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7790, 0.2657, 0.3260 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(129, 191, 193)` looks like.

```
.text, #text, p{  
    color:rgb(129, 191, 193)  
}
```

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(129, 191, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 191, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7790, 0.2657, 0.3260 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(129, 191, 193) }
```

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

```
.border{ border-color:rgb(129, 191, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 191, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 191, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 191, 193);  
box-shadow:4px 4px 4px 4px rgb(129, 191,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7790, 0.2657, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 191, 193) }
```

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

```
.background{ background-color: rgb(129,  
191, 193) }
```

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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