

# Converting Colors

$Y_{xy}(45.2566, 0.2619, 0.3403)$

Have a look what the booklet for  
Yxy(45.2566, 0.2619, 0.3403)  
contains.

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# Color

**Yxy(45.2201, 0.2618, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72C1B9
RGB	114, 193, 185
RGB Percent	45%, 76%, 73%
CMY	0.5532, 0.2431, 0.2746
CMYK	0.41, 0.00, 0.04, 0.24
HSL	174°, 39%, 60%
HSV	174°, 41%, 76%
XYZ	34.7581, 45.2201, 52.7878
YIQ	168.4670, -44.5160, -19.2360

# Conversions

## Conversions Part 2

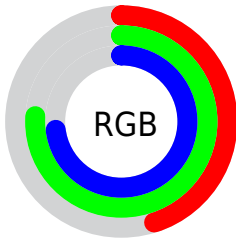
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 156, 193
Decimal	7520697
CIELab	73.04, -26.22, -3.60
CIELCh	73, 26.470, 187.827
Yxy	45.2201, 0.2618, 0.3406
Android (android.graphics.Color)	4285710777 (0xFF72C1B9)
YUV	168.4670, 8.1508, -47.7676
Hunter-Lab	67.2459, -25.4170, 0.5297

# Details

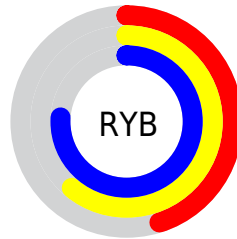
The Yxy color **45.2201, 0.2618, 0.3406** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.7625, 0.4051, 0.3183**, and the grayscale version is **39.3677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2681, 0.2712, 0.3389**, and **21.0610, 0.2478, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **43.9800, 0.2526, 0.3439**, and if you desaturate by 10%, it is **46.7379, 0.2725, 0.3375**.

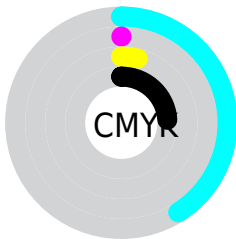
# Distribution



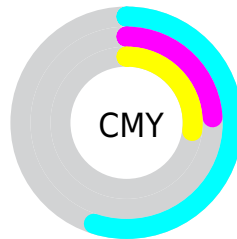
- Red (45%)
- Green (76%)
- Blue (73%)



- Red (45%)
- Yellow (61%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)




- Cyan (55%)
- Magenta (24%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2201, 0.2618, 0.3406 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 45.2201, 0.2618, 0.3406 by changing the saturation by 10% instead.





 45.2201, 0.2618,  
0.3406


 45.2201, 0.2618,  
0.3406


367.6642, 0.2871,  
0.3351


 31.6308, 0.2555,  
0.3419


 83.0506, 0.2710,  
0.3387

 21.0797, 0.2475,  
0.3435


 108.0606, 0.2744,  
0.3379

 13.1823, 0.2370,  
0.3455


 137.6463, 0.2773,  
0.3373

 7.5542, 0.2223,  
0.3481

172.1921, 0.2798,  
0.3367

 3.8110, 0.2010,  
0.3515

212.0824, 0.2820,  
0.3362

 1.5684, 0.1661,  
0.3561

257.7016, 0.2839,

 0.3362, 0.0000,

0.3358

0.3523

309.4341, 0.2856,  
0.3354

0.0000, 0.0000,  
0.0000

45.2201, 0.2618,  
0.3406

45.2201, 0.2618,  
0.3406

43.9800, 0.2526,  
0.3439

46.7379, 0.2725,  
0.3375

42.9950, 0.2451,  
0.3473

48.5439, 0.2846,  
0.3345

42.2475, 0.2396,  
0.3508


50.6546, 0.2976,  
0.3317


41.7155, 0.2359,  
0.3543


53.0834, 0.3113,  
0.3292

41.3727, 0.2340,  
0.3577

55.8433, 0.3255,  
0.3270

 41.1804, 0.2336,  
0.3608

 58.9463, 0.3399,  
0.3249

 62.4039, 0.3543,  
0.3231

 63.6081, 0.3576,  
0.3212

 63.7007, 0.3560,  
0.3192

# Harmonies

## Analogous

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



45.2201, 0.2921, 0.3746



45.2201, 0.2618, 0.3406



45.2201, 0.2453, 0.3053

# Triad

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



45.2201, 0.2618, 0.3406



45.2201, 0.2930, 0.2722



45.2201, 0.3841, 0.3741

# Complementary

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



45.2201, 0.2618, 0.3406



24.7625, 0.4051, 0.3183

# 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.



45.2201, 0.3852, 0.3457



45.2201, 0.2618, 0.3406



45.2201, 0.3308, 0.2890

# Square

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



45.2201, 0.2618, 0.3406



45.2201, 0.2624, 0.2685



45.2201, 0.3653, 0.3152



45.2201, 0.3631, 0.3930



# Rectangle

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



45.2201, 0.2618, 0.3406



45.2201, 0.2436, 0.2867



45.2201, 0.3653, 0.3152



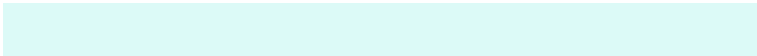
45.2201, 0.3869, 0.3653

# Sweetspot

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



45.2219, 0.2618, 0.3406



90.2175, 0.2960, 0.3321



43.5827, 0.3137, 0.4512



19.2432, 0.2942, 0.3324



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.



45.2219, 0.2618, 0.3406



78.9976, 0.2536, 0.3435



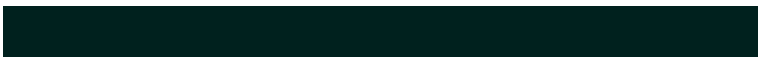
33.5115, 0.2498, 0.2828



11.4103, 0.2998, 0.3313



27.3917, 0.2334, 0.3604



1.1887, 0.2313, 0.3527



# Inverse Universe

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



24.7625, 0.4051, 0.3183



37.4904, 0.4367, 0.3163



32.5741, 0.3984, 0.3704



10.0941, 0.3273, 0.3267



7.5791, 0.6267, 0.3226

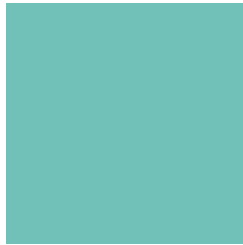


0.3332, 0.5858, 0.3001



# Previews

## White Background



This preview shows how the Yxy color 45.2201, 0.2618, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

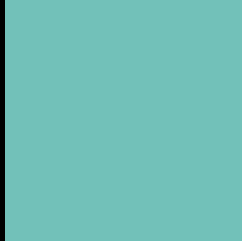
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2201, 0.2618, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

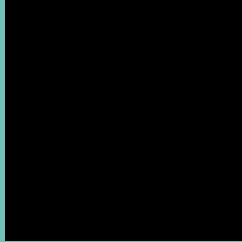
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

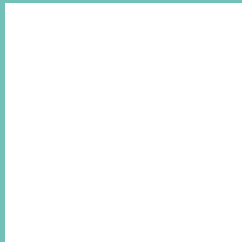
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2201, 0.2618, 0.3406**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2201, 0.2618, 0.3406.

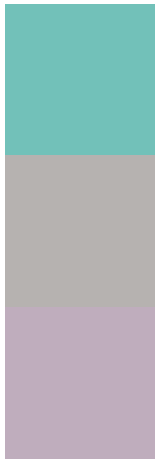


This preview shows how white text looks on a background with the Yxy color 45.2201, 0.2618, 0.3406.

# 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

45.2201, 0.2618, 0.3406

### Protanopia

44.9205, 0.3178, 0.3317

### Deuteranopia

44.6376, 0.3154, 0.3087



## Tritanopia

45.1566, 0.2525, 0.3078

# Trichromacy



**Original Color**

45.2201, 0.2618, 0.3406

**Protanomaly**

44.2897, 0.2944, 0.3345

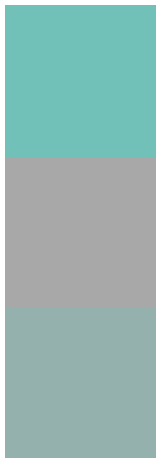
**Deuteranomaly**

44.0599, 0.2924, 0.3181

**Tritanomaly**

45.1207, 0.2555, 0.3189

# Monochromacy



**Original Color**

45.2201, 0.2618, 0.3406

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.7962, 0.2906, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2201, 0.2618, 0.3406 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(114, 193, 185)` looks like.

```
.text, #text, p{  
    color:rgb(114, 193, 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(114, 193, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 193, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2201, 0.2618, 0.3406 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(114, 193, 185) }
```

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

```
.border{ border-color:rgb(114, 193, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 193, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 193, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 193, 185);  
box-shadow:4px 4px 4px 4px rgb(114, 193,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2201, 0.2618, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 193, 185) }
```

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

```
.background{ background-color: rgb(114,  
193, 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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