

# Converting Colors

$Yxy(45.3090, 0.2640, 0.3396)$

Have a look what the booklet for  
Yxy(45.3090, 0.2640, 0.3396)  
contains.

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# Color

**Yxy(45.4943, 0.2642, 0.3405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C1B9
RGB	118, 193, 185
RGB Percent	46%, 76%, 73%
CMY	0.5372, 0.2431, 0.2745
CMYK	0.39, 0.00, 0.04, 0.24
HSL	174°, 38%, 61%
HSV	174°, 39%, 76%
XYZ	35.2998, 45.4943, 52.8161
YIQ	169.6630, -42.1320, -18.3880

# Conversions

## Conversions Part 2

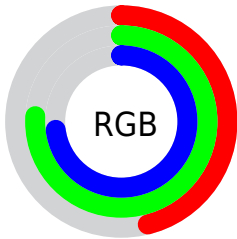
Format	Color
<a href="#">RYB</a>	<a href="#">118, 158, 193</a>
Decimal	<a href="#">7782841</a>
CIELab	<a href="#">73.22, -25.15, -3.32</a>
CIElCh	<a href="#">73, 25.368, 187.528</a>
Yxy	<a href="#">45.4943, 0.2642, 0.3405</a>
Android (android.graphics.Color)	<a href="#">4285972921 (0xFF76C1B9)</a>
YUV	<a href="#">169.6630, 7.5611, -45.3085</a>
Hunter-Lab	<a href="#">67.4495, -24.6182, 0.7877</a>

# Details

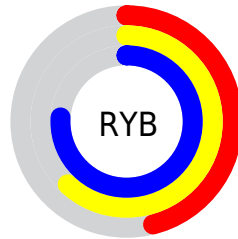
The Yxy color **45.4943, 0.2642, 0.3405** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.8075, 0.3977, 0.3183**, and the grayscale version is **40.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6063, 0.2728, 0.3389**, and **21.2212, 0.2508, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **44.1936, 0.2547, 0.3439**, and if you desaturate by 10%, it is **47.0764, 0.2752, 0.3372**.

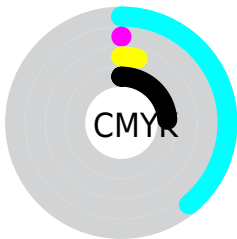
# Distribution



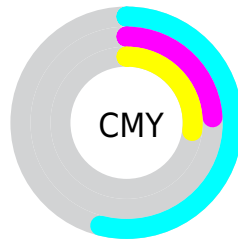
- Red (46%)
- Green (76%)
- Blue (73%)



- Red (46%)
- Yellow (62%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)




- Cyan (54%)
- Magenta (24%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4943, 0.2642, 0.3405 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 45.4943, 0.2642, 0.3405 by changing the saturation by 10% instead.





 45.4943, 0.2642,  
0.3405

 45.4943, 0.2642,  
0.3405


368.7718, 0.2883,  
0.3350

 31.8469, 0.2582,  
0.3418


 83.4617, 0.2729,  
0.3386

 21.2446, 0.2506,  
0.3434


 108.5505, 0.2762,  
0.3378

 13.3029, 0.2405,  
0.3454

 138.2219, 0.2790,  
0.3372

 7.6375, 0.2266,  
0.3481

172.8603, 0.2814,  
0.3366

 3.8639, 0.2062,  
0.3517

212.8501, 0.2835,  
0.3362

 1.5977, 0.1733,  
0.3565

258.5757, 0.2853,

 0.3561, 0.0000,

0.3357

0.3648

310.4215, 0.2869,  
0.3353

0.0000, 0.0000,  
0.0000

45.4943, 0.2642,  
0.3405

45.4943, 0.2642,  
0.3405

44.1936, 0.2547,  
0.3439

47.0764, 0.2752,  
0.3372

43.1518, 0.2469,  
0.3475

48.9499, 0.2874,  
0.3342

42.3519, 0.2409,  
0.3512


51.1310, 0.3005,  
0.3313

41.7725, 0.2369,  
0.3548


53.6333, 0.3143,  
0.3287


41.3885, 0.2347,  
0.3585

56.4692, 0.3285,  
0.3264


 41.1574, 0.2341,  
0.3621

 59.6509, 0.3428,  
0.3243

 41.1339, 0.2340,  
0.3626

 63.1895, 0.3571,  
0.3224

 63.6400, 0.3570,  
0.3204

 63.7379, 0.3553,  
0.3182

# Harmonies

## Analogous

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



45.4943, 0.2934, 0.3728



45.4943, 0.2642, 0.3405



45.4943, 0.2481, 0.3067

# Triad

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



45.4943, 0.2642, 0.3405



45.4943, 0.2935, 0.2744



45.4943, 0.3811, 0.3721

# Complementary

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



45.4943, 0.2642, 0.3405



25.8075, 0.3977, 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.



45.4943, 0.3819, 0.3448



45.4943, 0.2642, 0.3405



45.4943, 0.3297, 0.2904

# Square

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



45.4943, 0.2642, 0.3405



45.4943, 0.2643, 0.2710



45.4943, 0.3627, 0.3155



45.4943, 0.3613, 0.3901



# Rectangle

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



45.4943, 0.2642, 0.3405



45.4943, 0.2464, 0.2888



45.4943, 0.3627, 0.3155



45.4943, 0.3837, 0.3637

# Sweetspot

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



45.4961, 0.2642, 0.3405



90.2078, 0.2961, 0.3322



43.9434, 0.3138, 0.4439



19.2409, 0.2943, 0.3326



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.



45.4961, 0.2642, 0.3405



79.3861, 0.2557, 0.3436



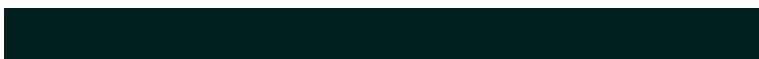
34.3477, 0.2530, 0.2856



11.4093, 0.2998, 0.3315



27.3658, 0.2339, 0.3621



1.1878, 0.2317, 0.3539



# Inverse Universe

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



25.8075, 0.3977, 0.3183



38.9735, 0.4283, 0.3161



33.4408, 0.3926, 0.3682



10.0950, 0.3272, 0.3266



7.5817, 0.6259, 0.3221

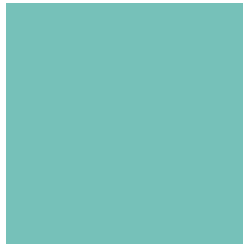


0.3336, 0.5833, 0.2987



# Previews

## White Background



This preview shows how the Yxy color 45.4943, 0.2642, 0.3405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

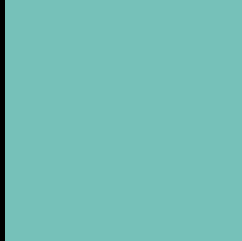
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4943, 0.2642, 0.3405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

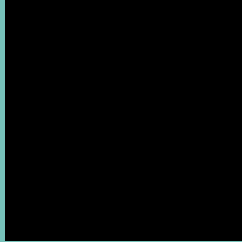
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

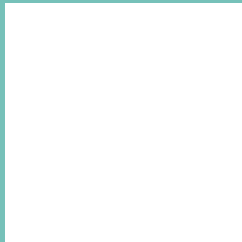
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.4943, 0.2642, 0.3405**

## Background



This preview shows how black text looks on a background with the Yxy color 45.4943, 0.2642, 0.3405.

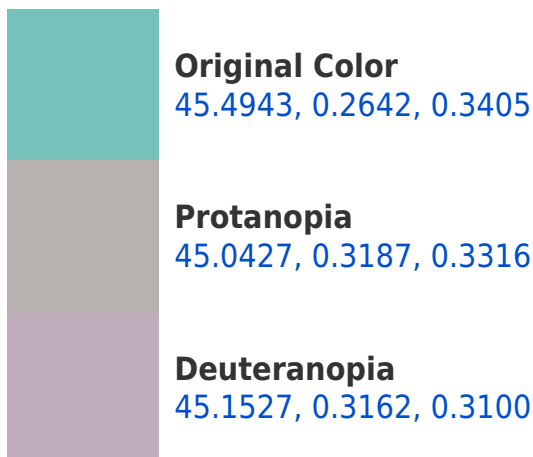


This preview shows how white text looks on a background with the Yxy color 45.4943, 0.2642, 0.3405.

# 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

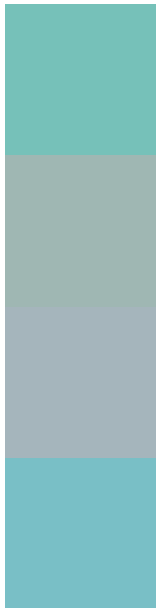




## Tritanopia

45.4456, 0.2548, 0.3079

# Trichromacy



**Original Color**

45.4943, 0.2642, 0.3405

**Protanomaly**

44.4926, 0.2960, 0.3345

**Deuteranomaly**

44.6779, 0.2941, 0.3195

**Tritanomaly**

45.4038, 0.2578, 0.3189

# Monochromacy



**Original Color**

45.4943, 0.2642, 0.3405

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.5152, 0.2923, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4943, 0.2642, 0.3405 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(118, 193, 185)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 193, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 193, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4943, 0.2642, 0.3405 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(118, 193, 185) }
```

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

```
.border{ border-color:rgb(118, 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(118, 193, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 193, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 193, 185);  
box-shadow:4px 4px 4px 4px rgb(118, 193,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4943, 0.2642, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 193, 185) }
```

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

```
.background{ background-color: rgb(118,  
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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