

# Converting Colors

$Yxy(52.0179, 0.2675, 0.3658)$

Have a look what the booklet for  
Yxy(52.0179, 0.2675, 0.3658)  
contains.

<b>Yxy(52.2022, 0.2677, 0.3658)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(52.2022, 0.2677, 0.3658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74D0B6
RGB	116, 208, 182
RGB Percent	45%, 82%, 71%
CMY	0.5450, 0.1843, 0.2864
CMYK	0.44, 0.00, 0.13, 0.18
HSL	163°, 49%, 64%
HSV	163°, 44%, 82%
XYZ	38.2026, 52.2022, 52.3021
YIQ	177.5280, -46.4860, -27.5900

# Conversions

## Conversions Part 2

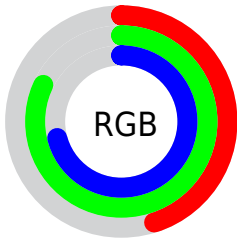
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 170, 208
Decimal	7655606
CIELab	77.40, -33.60, 4.40
CIELCh	77, 33.884, 172.532
Yxy	52.2022, 0.2677, 0.3658
Android (android.graphics.Color)	4285845686 (0xFF74D0B6)
YUV	177.5280, 2.2047, -53.9601
Hunter-Lab	72.2511, -32.0578, 7.6561

# Details

The Yxy color **52.2022, 0.2677, 0.3658** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.8643, 0.3950, 0.2963**, and the grayscale version is **44.2694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4637, 0.2743, 0.3477**, and **25.2973, 0.2553, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **50.6961, 0.2605, 0.3758**, and if you desaturate by 10%, it is **54.0419, 0.2763, 0.3563**.

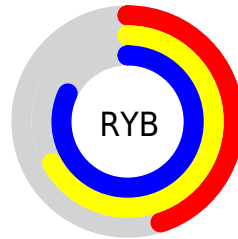
# Distribution



Red (45%)

Green (82%)

Blue (71%)



Red (45%)

Yellow (67%)

Blue (82%)

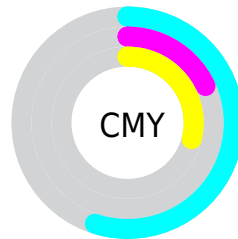


Cyan (44%)

Magenta (0%)

Yellow (13%)

Black (18%)



Cyan (55%)

Magenta (18%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2022, 0.2677, 0.3658 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 52.2022, 0.2677, 0.3658 by changing the saturation by 10% instead.





 52.2022, 0.2677,  
0.3658


 52.2022, 0.2677,  
0.3658

395.2167, 0.2899,  
0.3474


 37.1663, 0.2623,  
0.3704


 93.4294, 0.2757,  
0.3591

 25.3363, 0.2554,  
0.3763


 120.3894, 0.2787,  
0.3566

 16.3278, 0.2463,  
0.3841


 152.0929, 0.2813,  
0.3545

 9.7564, 0.2338,  
0.3949

188.9243, 0.2835,  
0.3527

 5.2377, 0.2158,  
0.4111

231.2680, 0.2854,  
0.3511

 2.3874, 0.1874,  
0.4375

279.5084, 0.2871,

 0.8194, 0.0000,

0.3497

0.5838

334.0298, 0.2886,  
0.3485

0.0000, 0.0000,  
0.0000

52.2022, 0.2677,  
0.3658

52.2022, 0.2677,  
0.3658

50.6961, 0.2605,  
0.3758

54.0419, 0.2763,  
0.3563

49.4955, 0.2551,  
0.3863

56.2285, 0.2861,  
0.3475

48.5783, 0.2516,  
0.3969


58.7823, 0.2967,  
0.3393


47.9164, 0.2500,  
0.4077


61.7201, 0.3079,  
0.3319

47.4755, 0.2504,  
0.4183

65.0577, 0.3194,  
0.3252

 47.2866, 0.2512,  
0.4244

 68.8099, 0.3310,  
0.3193

 71.7102, 0.3375,  
0.3137

 72.0337, 0.3332,  
0.3079

 72.3683, 0.3289,  
0.3021

# Harmonies

## Analogous

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



52.2022, 0.3097, 0.4009



52.2022, 0.2677, 0.3658



52.2022, 0.2390, 0.3206

# Triad

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



52.2022, 0.2677, 0.3658



52.2022, 0.2680, 0.2564



52.2022, 0.4039, 0.3658

# Complementary

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



52.2022, 0.2677, 0.3658



27.8643, 0.3950, 0.2963

# 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.



52.2022, 0.3919, 0.3294



52.2022, 0.2677, 0.3658



52.2022, 0.3105, 0.2691

# Square

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



52.2022, 0.2677, 0.3658



52.2022, 0.2394, 0.2603



52.2022, 0.3566, 0.2950



52.2022, 0.3894, 0.3966



# Rectangle

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



52.2022, 0.2677, 0.3658



52.2022, 0.2302, 0.2935



52.2022, 0.3566, 0.2950



52.2022, 0.4029, 0.3539

# Sweetspot

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



52.2043, 0.2677, 0.3658



93.6562, 0.2979, 0.3385



52.1334, 0.3245, 0.4586



19.8386, 0.2954, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2043, 0.2677, 0.3658



80.4989, 0.2609, 0.3752



44.2685, 0.2487, 0.3008



13.3476, 0.3020, 0.3357



29.4884, 0.2508, 0.4229



1.6620, 0.2454, 0.4035



# Inverse Universe

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



27.8643, 0.3950, 0.2963



37.1291, 0.4229, 0.2902



32.2696, 0.4172, 0.3546



11.8625, 0.3247, 0.3224



8.5682, 0.5805, 0.2971



0.4928, 0.5271, 0.2678



# Previews

## White Background



This preview shows how the Yxy color 52.2022, 0.2677, 0.3658 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 52.2022, 0.2677, 0.3658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

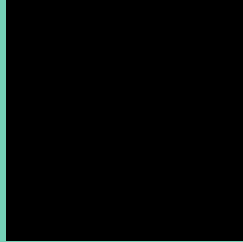
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

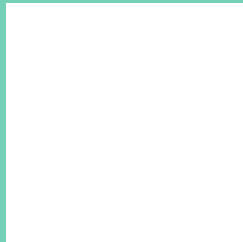
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2022, 0.2677, 0.3658**

## Background



This preview shows how black text looks on a background with the Yxy color 52.2022, 0.2677, 0.3658.



This preview shows how white text looks on a background with the Yxy color 52.2022, 0.2677, 0.3658.

# 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

52.2022, 0.2677, 0.3658

### Protanopia

51.3795, 0.3336, 0.3503

### Deuteranopia

51.5705, 0.3325, 0.3255



## Tritanopia

52.2620, 0.2517, 0.3077

# Trichromacy



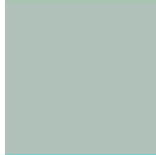
## Original Color

52.2022, 0.2677, 0.3658



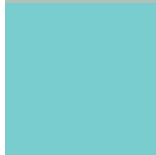
## Protanomaly

50.9393, 0.3052, 0.3556



## Deuteranomaly

50.8728, 0.3051, 0.3394



## Tritanomaly

52.2564, 0.2569, 0.3275

# Monochromacy



## Original Color

52.2022, 0.2677, 0.3658



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.6184, 0.2930, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2022, 0.2677, 0.3658 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(116, 208, 182)` looks like.

```
.text, #text, p{  
    color:rgb(116, 208, 182)  
}
```

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(116, 208, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 208, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2022, 0.2677, 0.3658 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(116, 208, 182) }
```

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

```
.border{ border-color:rgb(116, 208, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 208, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 208, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 208, 182); box-shadow:4px 4px 4px 4px rgb(116, 208, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2022, 0.2677, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 208, 182) }
```

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

```
.background{ background-color: rgb(116,  
208, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor