

Converting Colors

$Yxy(45.9466, 0.2451, 0.3407)$

Have a look what the booklet for
Yxy(45.9466, 0.2451, 0.3407)
contains.

Yxy(45.9449, 0.2451, 0.3407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9449, 0.2451, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	53C6BE
RGB	83, 198, 190
RGB Percent	33%, 78%, 75%
CMY	0.6748, 0.2235, 0.2548
CMYK	0.58, 0.00, 0.04, 0.22
HSL	176°, 50%, 55%
HSV	176°, 58%, 78%
XYZ	33.0528, 45.9449, 55.8567
YIQ	162.7030, -65.9720, -26.8680

Conversions

Conversions Part 2

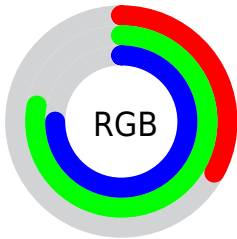
Format	Color
RYB	83, 143, 198
Decimal	5490366
CIELab	73.51, -34.21, -5.78
CIElCh	74, 34.693, 189.585
Yxy	45.9449, 0.2451, 0.3407
Android (android.graphics.Color)	4283680446 (0xFF53C6BE)
YUV	162.7030, 13.4574, -69.8995
Hunter-Lab	67.7827, -31.5778, -1.4104

Details

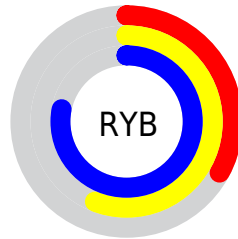
The Yxy color **45.9449, 0.2451, 0.3407** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.9359, 0.4771, 0.3196**, and the grayscale version is **36.4300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0135, 0.2572, 0.3391**, and **21.7527, 0.2287, 0.3434** is the 20% darker color. If you saturate the color by 10%, you get **45.1121, 0.2388, 0.3430**, and if you desaturate by 10%, it is **47.0388, 0.2533, 0.3384**.

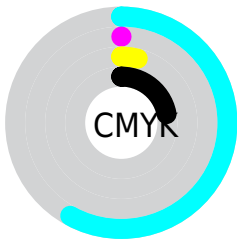
Distribution



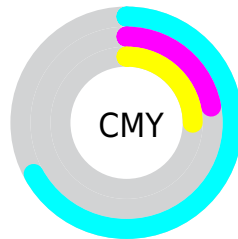
- Red (33%)
- Green (78%)
- Blue (75%)



- Red (33%)
- Yellow (56%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9449, 0.2451, 0.3407 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 45.9449, 0.2451, 0.3407 by changing the saturation by 10% instead.


 45.9449, 0.2451,
0.3407

 45.9449, 0.2451,
0.3407


370.5871, 0.2784,
0.3355


 32.2023, 0.2370,
0.3418


 84.1365, 0.2571,
0.3389

 21.5161, 0.2267,
0.3431


 109.3544, 0.2616,
0.3382

 13.5018, 0.2132,
0.3446


 139.1661, 0.2655,
0.3376

 7.7750, 0.1949,
0.3463


 173.9562, 0.2688,
0.3371

 3.9513, 0.1687,
0.3478

214.1089, 0.2717,
0.3366

 1.6464, 0.1246,
0.3497

260.0087, 0.2742,

 0.3886, 0.0000,

0.3362

0.3197

312.0400, 0.2764,
0.3358

■ 0.0000, 0.0000,
0.0000

■ 45.9449, 0.2451,
0.3407

■ 45.9449, 0.2451,
0.3407

■ 45.1121, 0.2388,
0.3430

■ 47.0388, 0.2533,
0.3384

■ 44.5127, 0.2344,
0.3454

■ 48.4085, 0.2632,
0.3362

■ 44.1218, 0.2318,
0.3477

■ 50.0737, 0.2747,
0.3341

■ 43.8993, 0.2308,
0.3500

■ 52.0508, 0.2874,
0.3322

■ 43.8644, 0.2307,
0.3504

■ 54.3551, 0.3011,
0.3304

■ 57.0008, 0.3155,
0.3287

■ 60.0012, 0.3303,
0.3272

■ 63.3692, 0.3452,
0.3259

■ 65.9347, 0.3552,
0.3246

Harmonies

Analogous

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



45.9449, 0.2827, 0.3873



45.9449, 0.2451, 0.3407



45.9449, 0.2258, 0.2947

Triad

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



45.9449, 0.2451, 0.3407



45.9449, 0.2894, 0.2576



45.9449, 0.4044, 0.3879

Complementary

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



45.9449, 0.2451, 0.3407



18.9359, 0.4771, 0.3196

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.



45.9449, 0.4082, 0.3513



45.9449, 0.2451, 0.3407



45.9449, 0.3387, 0.2796

Square

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



45.9449, 0.2451, 0.3407



45.9449, 0.2498, 0.2513



45.9449, 0.3835, 0.3127



45.9449, 0.3751, 0.4129

Rectangle

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



45.9449, 0.2451, 0.3407



45.9449, 0.2246, 0.2718



45.9449, 0.3835, 0.3127



45.9449, 0.4089, 0.3764

Sweetspot

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



45.9467, 0.2451, 0.3407



92.4930, 0.2885, 0.3320



43.3175, 0.3096, 0.5115



19.6324, 0.2858, 0.3324



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.



45.9467, 0.2451, 0.3407



79.5253, 0.2373, 0.3437



27.7444, 0.2245, 0.2524



12.0544, 0.2993, 0.3306



28.5286, 0.2306, 0.3501



1.3547, 0.2292, 0.3453

Inverse Universe

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



18.9359, 0.4771, 0.3196



27.2173, 0.5362, 0.3197



28.8300, 0.4466, 0.3908



10.6487, 0.3279, 0.3274



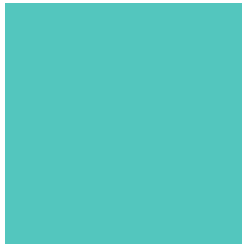
7.8326, 0.6316, 0.3253



0.3751, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 45.9449, 0.2451, 0.3407 looks on a white background.

Color Contrast Check

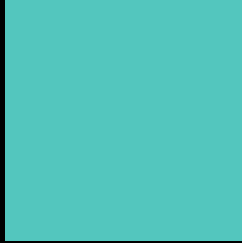
Large Text (above 18pt) WCAG AA × Fail

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 45.9449, 0.2451, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

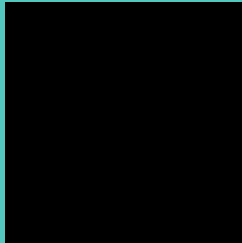
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

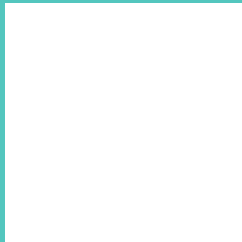
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9449, 0.2451, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 45.9449, 0.2451, 0.3407.

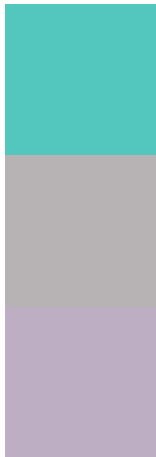


This preview shows how white text looks on a background with the Yxy color 45.9449, 0.2451, 0.3407.

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

45.9449, 0.2451, 0.3407

Protanopia

45.1627, 0.3163, 0.3277

Deuteranopia

45.0311, 0.3087, 0.3024



Tritanopia

45.9575, 0.2370, 0.3060

Trichromacy



Original Color

45.9449, 0.2451, 0.3407



Protanomaly

44.3199, 0.2839, 0.3317



Deuteranomaly

44.2013, 0.2790, 0.3151



Tritanomaly

45.8664, 0.2400, 0.3186

Monochromacy



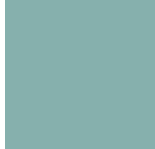
Original Color

45.9449, 0.2451, 0.3407



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.1361, 0.2803, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9449, 0.2451, 0.3407 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(83, 198, 190)` looks like.

```
.text, #text, p{  
  color:rgb(83, 198, 190)  
}
```

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(83, 198, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 198, 190) }
```

Border

The CSS property to change the border of an element to Yxy 45.9449, 0.2451, 0.3407 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(83, 198, 190) }
```

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

```
.border{ border-color:rgb(83, 198, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 198, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 198, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 198, 190);  
box-shadow:4px 4px 4px 4px rgb(83, 198,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9449, 0.2451, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 198, 190) }
```

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

```
.background{ background-color: rgb(83, 198,  
190) }
```

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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