

Converting Colors

$Y_{xy}(49.8233, 0.2543, 0.3216)$

Have a look what the booklet for
Yxy(49.8233, 0.2543, 0.3216)
contains.

Yxy(49.6867, 0.2542, 0.3206)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6867, 0.2542, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	77C8CE
RGB	119, 200, 206
RGB Percent	47%, 78%, 81%
CMY	0.5335, 0.2156, 0.1922
CMYK	0.42, 0.03, 0.00, 0.19
HSL	184°, 47%, 64%
HSV	184°, 42%, 81%
XYZ	39.3960, 49.6867, 65.8976
YIQ	176.4650, -50.2020, -15.3060

Conversions

Conversions Part 2

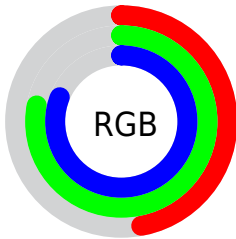
Format	Color
R _Y B	119, 161, 206
Decimal	7850190
CIE Lab	75.88, -23.22, -10.77
CIE LCh	76, 25.595, 204.874
Yxy	49.6867, 0.2542, 0.3206
Android (android.graphics.Color)	4286040270 (0xFF77C8CE)
YUV	176.4650, 14.5608, -50.3968
Hunter-Lab	70.4888, -23.5922, -6.0861

Details

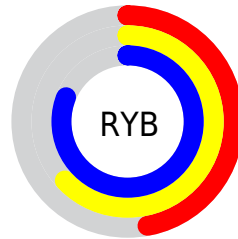
The Yxy color $49.6867, 0.2542, 0.3206$ is a light color, and the websafe version is hex $66CCCC$. A complement of this color would be $29.0996, 0.4181, 0.3370$, and the grayscale version is $43.6086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8540, 0.2676, 0.3289$, and $23.8489, 0.2386, 0.3174$ is the 20% darker color. If you saturate the color by 10%, you get $47.7344, 0.2437, 0.3183$, and if you desaturate by 10%, it is $51.9647, 0.2663, 0.3228$.

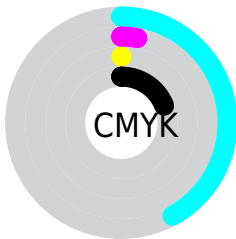
Distribution



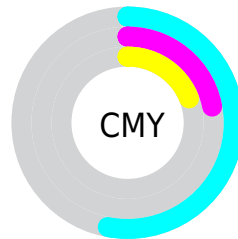
- Red (47%)
- Green (78%)
- Blue (81%)



- Red (47%)
- Yellow (63%)
- Blue (81%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)





- Cyan (53%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6867, 0.2542, 0.3206 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 49.6867, 0.2542, 0.3206 by changing the saturation by 10% instead.


 49.6867, 0.2542,
0.3206


 49.6867, 0.2542,
0.3206


385.4395, 0.2826,
0.3254


 35.1645, 0.2474,
0.3192


 89.7105, 0.2643,
0.3225

 23.7896, 0.2388,
0.3174


 115.9809, 0.2682,
0.3231

 15.1776, 0.2277,
0.3149


 146.9362, 0.2715,
0.3237

 8.9442, 0.2127,
0.3110

182.9608, 0.2743,
0.3241

 4.7048, 0.1917,
0.3048

224.4390, 0.2768,
0.3245

 2.0751, 0.1601,
0.2935

271.7552, 0.2789,

 0.6506, 0.0229,

0.3248

0.2887

325.2939, 0.2809,
0.3251

0.0000, 0.0000,
0.0000

49.6867, 0.2542,
0.3206

49.6867, 0.2542,
0.3206

47.7344, 0.2437,
0.3183

51.9647, 0.2663,
0.3228

46.0814, 0.2350,
0.3160

54.5814, 0.2797,
0.3249

44.7065, 0.2282,
0.3137


57.5560, 0.2941,
0.3268


43.5833, 0.2233,
0.3113

60.9046, 0.3092,
0.3286

42.6800, 0.2202,
0.3090


64.6425, 0.3248,
0.3303

 42.0878, 0.2187,
0.3073

 68.7838, 0.3406,
0.3317

 71.7648, 0.3500,
0.3331

 72.4657, 0.3497,
0.3346

 73.1728, 0.3495,
0.3360

Harmonies

Analogous

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



49.6867, 0.2760, 0.3545



49.6867, 0.2542, 0.3206



49.6867, 0.2474, 0.2917

Triad

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



49.6867, 0.2542, 0.3206



49.6867, 0.3142, 0.2832



49.6867, 0.3705, 0.3831

Complementary

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



49.6867, 0.2542, 0.3206



29.0996, 0.4181, 0.3370

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.



49.6867, 0.3825, 0.3607



49.6867, 0.2542, 0.3206



49.6867, 0.3491, 0.3046

Square

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



49.6867, 0.2542, 0.3206



49.6867, 0.2806, 0.2724



49.6867, 0.3747, 0.3323



49.6867, 0.3429, 0.3919

Rectangle

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



49.6867, 0.2542, 0.3206



49.6867, 0.2519, 0.2789



49.6867, 0.3747, 0.3323



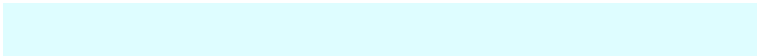
49.6867, 0.3765, 0.3768

Sweetspot

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



49.6886, 0.2542, 0.3206



92.8026, 0.2927, 0.3266



49.5295, 0.3032, 0.4502



19.6246, 0.2894, 0.3262



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.



49.6886, 0.2542, 0.3206



77.5319, 0.2443, 0.3185



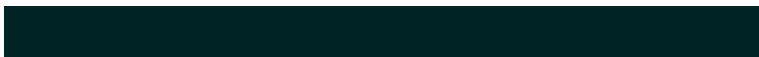
32.3758, 0.2437, 0.2567



12.5900, 0.2984, 0.3273



25.9782, 0.2188, 0.3076



1.3807, 0.2200, 0.3121

Inverse Universe

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



30.4731, 0.3236, 0.2322



42.5729, 0.3264, 0.2131



42.5567, 0.3937, 0.3912



11.3899, 0.3148, 0.3077



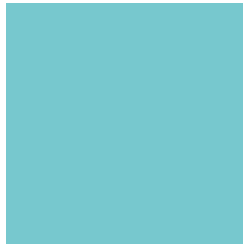
10.4255, 0.3388, 0.1640



0.5419, 0.3349, 0.1619

Previews

White Background



This preview shows how the Yxy color 49.6867, 0.2542, 0.3206 looks on a white background.

Color Contrast Check

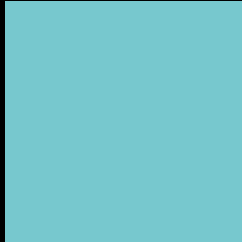
Large Text (above 18pt) WCAG AA × Fail

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 49.6867, 0.2542, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

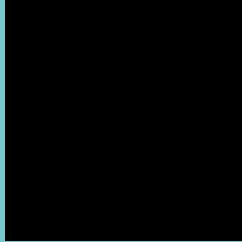
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

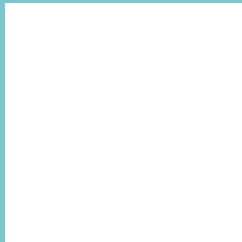
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6867, 0.2542, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 49.6867, 0.2542, 0.3206.

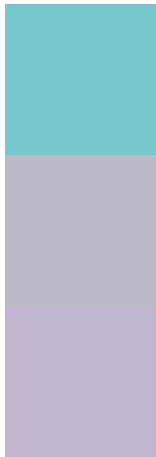


This preview shows how white text looks on a background with the Yxy color 49.6867, 0.2542, 0.3206.

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

49.6867, 0.2542, 0.3206

Protanopia

49.1682, 0.3044, 0.3139

Deuteranopia

49.0383, 0.3003, 0.2937



Tritanopia

49.8181, 0.2502, 0.3072

Trichromacy



Original Color

49.6867, 0.2542, 0.3206

Protanomaly

48.6784, 0.2837, 0.3158

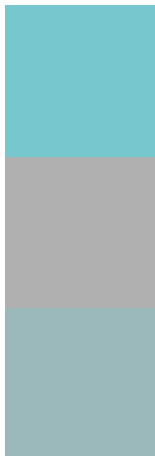
Deuteranomaly

48.6769, 0.2805, 0.3019

Tritanomaly

49.5934, 0.2513, 0.3111

Monochromacy



Original Color

49.6867, 0.2542, 0.3206

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.2543, 0.2871, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6867, 0.2542, 0.3206 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(119, 200, 206)` looks like.

```
.text, #text, p{  
    color:rgb(119, 200, 206)  
}
```

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(119, 200, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 200, 206) }
```

Border

The CSS property to change the border of an element to Yxy 49.6867, 0.2542, 0.3206 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(119, 200, 206) }
```

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

```
.border{ border-color:rgb(119, 200, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 200, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 200, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 200, 206);  
box-shadow:4px 4px 4px 4px rgb(119, 200,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6867, 0.2542, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 200, 206) }
```

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

```
.background{ background-color: rgb(119,  
200, 206) }
```

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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