

Converting Colors

$Yxy(49.0698, 0.2695, 0.3385)$

Have a look what the booklet for
Yxy(49.0698, 0.2695, 0.3385)
contains.

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Color

Yxy(48.9750, 0.2694, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	83C6BF
RGB	131, 198, 191
RGB Percent	51%, 78%, 75%
CMY	0.4860, 0.2236, 0.2509
CMYK	0.34, 0.00, 0.04, 0.22
HSL	174°, 37%, 65%
HSV	174°, 34%, 78%
XYZ	38.9659, 48.9750, 56.6988
YIQ	177.1690, -37.6850, -16.3810

Conversions

Conversions Part 2

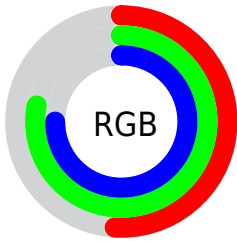
Format	Color
RYB	131, 166, 198
Decimal	8636095
CIELab	75.44, -22.68, -3.26
CIELCh	75, 22.915, 188.170
Yxy	48.9750, 0.2694, 0.3386
Android (android.graphics.Color)	4286826175 (0xFF83C6BF)
YUV	177.1690, 6.8187, -40.4902
Hunter-Lab	69.9821, -23.0803, 0.9514

Details

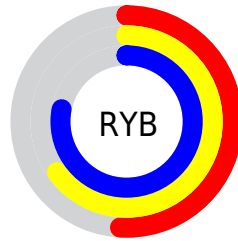
The Yxy color **48.9750, 0.2694, 0.3386** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.0890, 0.3828, 0.3199**, and the grayscale version is **44.0458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6745, 0.2771, 0.3375**, and **23.4012, 0.2576, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **47.4531, 0.2591, 0.3419**, and if you desaturate by 10%, it is **50.8042, 0.2811, 0.3355**.

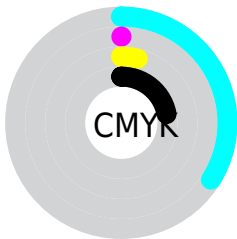
Distribution



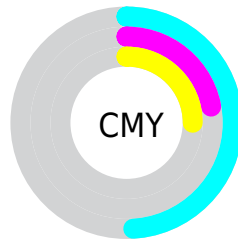
- Red (51%)
- Green (78%)
- Blue (75%)



- Red (51%)
- Yellow (65%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9750, 0.2694, 0.3386 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 48.9750, 0.2694, 0.3386 by changing the saturation by 10% instead.


 48.9750, 0.2694,
0.3386


 48.9750, 0.2694,
0.3386


382.6439, 0.2907,
0.3341

 34.5996, 0.2642,
0.3396


 88.6543, 0.2771,
0.3370

 23.3546, 0.2576,
0.3409

 114.7271, 0.2800,
0.3364

 14.8556, 0.2489,
0.3426


 145.4678, 0.2824,
0.3359

 8.7181, 0.2370,
0.3447

181.2608, 0.2845,
0.3354

 4.5578, 0.2198,
0.3476

222.4905, 0.2864,
0.3350

 1.9902, 0.1928,
0.3514

269.5413, 0.2880,

 0.6018, 0.0121,

0.3347

0.4004

322.7977, 0.2894,
0.3344

0.0000, 0.0000,
0.0000

48.9750, 0.2694,
0.3386

48.9750, 0.2694,
0.3386

47.4531, 0.2591,
0.3419

50.8042, 0.2811,
0.3355

46.2154, 0.2504,
0.3453

52.9507, 0.2938,
0.3326

45.2449, 0.2435,
0.3489


55.4314, 0.3074,
0.3299

44.5201, 0.2385,
0.3524


58.2599, 0.3215,
0.3275

44.0167, 0.2354,
0.3560


61.4495, 0.3358,
0.3254

 43.7047, 0.2341,
0.3596

 65.0124, 0.3502,
0.3235

 43.5733, 0.2338,
0.3618

 66.0747, 0.3527,
0.3214

 66.1753, 0.3511,
0.3193

 66.2772, 0.3495,
0.3172

Harmonies

Analogous

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



48.9750, 0.2952, 0.3668



48.9750, 0.2694, 0.3386



48.9750, 0.2553, 0.3091

Triad

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



48.9750, 0.2694, 0.3386



48.9750, 0.2966, 0.2807



48.9750, 0.3728, 0.3679

Complementary

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



48.9750, 0.2694, 0.3386



30.0890, 0.3828, 0.3199

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.



48.9750, 0.3738, 0.3439



48.9750, 0.2694, 0.3386



48.9750, 0.3285, 0.2952

Square

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



48.9750, 0.2694, 0.3386



48.9750, 0.2703, 0.2775



48.9750, 0.3572, 0.3178



48.9750, 0.3552, 0.3831

Rectangle

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



48.9750, 0.2694, 0.3386



48.9750, 0.2539, 0.2933



48.9750, 0.3572, 0.3178



48.9750, 0.3752, 0.3605

Sweetspot

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



48.9770, 0.2694, 0.3386



95.3104, 0.2987, 0.3316



47.5025, 0.3139, 0.4270



20.2700, 0.2968, 0.3320



0.0000, 0.0000, 0.0000



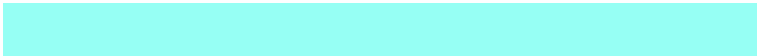
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9770, 0.2694, 0.3386



84.5848, 0.2612, 0.3412



38.5393, 0.2605, 0.2920



12.0478, 0.2998, 0.3314



28.3468, 0.2337, 0.3613



1.3478, 0.2316, 0.3539

Inverse Universe

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



30.0890, 0.3828, 0.3199



45.8020, 0.4072, 0.3178



37.6631, 0.3797, 0.3630



10.6546, 0.3273, 0.3266



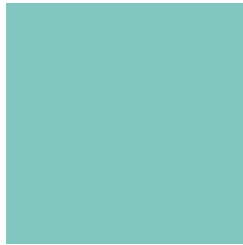
7.8482, 0.6265, 0.3225



0.3778, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 48.9750, 0.2694, 0.3386 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 48.9750, 0.2694, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

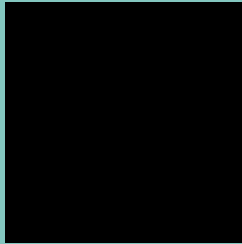
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

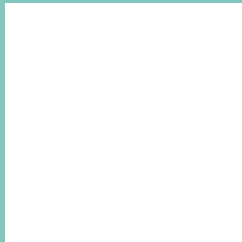
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9750, 0.2694, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 48.9750, 0.2694, 0.3386.

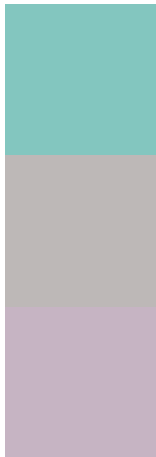


This preview shows how white text looks on a background with the Yxy color 48.9750, 0.2694, 0.3386.

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

48.9750, 0.2694, 0.3386

Protanopia

48.5187, 0.3177, 0.3303

Deuteranopia

48.5884, 0.3161, 0.3106



Tritanopia

48.9676, 0.2601, 0.3074

Trichromacy



Original Color

48.9750, 0.2694, 0.3386

Protanomaly

48.2652, 0.2981, 0.3329

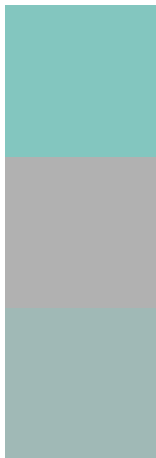
Deuteranomaly

48.4344, 0.2970, 0.3199

Tritanomaly

48.9078, 0.2631, 0.3180

Monochromacy



Original Color

48.9750, 0.2694, 0.3386

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5489, 0.2946, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9750, 0.2694, 0.3386 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(131, 198, 191)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 191)  
}
```

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(131, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.9750, 0.2694, 0.3386 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(131, 198, 191) }
```

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

```
.border{ border-color:rgb(131, 198, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9750, 0.2694, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 191) }
```

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

```
.background{ background-color: rgb(131,  
198, 191) }
```

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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