

Converting Colors

$Y_{xy}(48.4278, 0.2774, 0.3574)$

Have a look what the booklet for
Yxy(48.4278, 0.2774, 0.3574)
contains.

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Color

Yxy(48.4278, 0.2774, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	83C6B2
RGB	131, 198, 178
RGB Percent	51%, 78%, 70%
CMY	0.4863, 0.2235, 0.3020
CMYK	0.34, 0.00, 0.10, 0.22
HSL	162°, 37%, 65%
HSV	162°, 34%, 78%
XYZ	37.5878, 48.4278, 49.4847
YIQ	175.6870, -33.5120, -20.4240

Conversions

Conversions Part 2

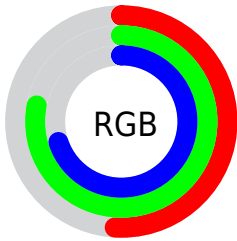
Format	Color
RYB	131, 170, 198
Decimal	8636082
CIELab	75.09, -25.64, 3.29
CIELCh	75, 25.851, 172.688
Yxy	48.4278, 0.2774, 0.3574
Android (android.graphics.Color)	4286826162 (0xFF83C6B2)
YUV	175.6870, 1.1403, -39.1905
Hunter-Lab	69.5901, -25.3692, 6.5526

Details

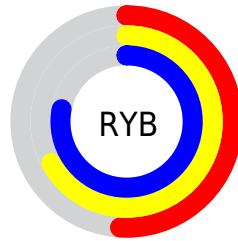
The Yxy color **48.4278, 0.2774, 0.3574** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4692, 0.3675, 0.3027**, and the grayscale version is **43.2507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8996, 0.2836, 0.3518**, and **23.0469, 0.2677, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **46.7648, 0.2689, 0.3674**, and if you desaturate by 10%, it is **50.4071, 0.2870, 0.3481**.

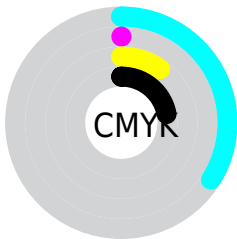
Distribution



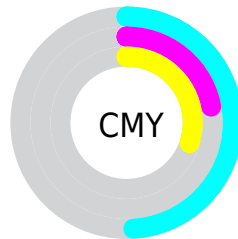
- Red (51%)
- Green (78%)
- Blue (70%)



- Red (51%)
- Yellow (67%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4278, 0.2774, 0.3574 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 48.4278, 0.2774, 0.3574 by changing the saturation by 10% instead.


 48.4278, 0.2774,
0.3574


 48.4278, 0.2774,
0.3574


380.4853, 0.2950,
0.3431


 34.1658, 0.2730,
0.3610

 87.8410, 0.2838,
0.3522

 23.0210, 0.2674,
0.3657


 113.7610, 0.2862,
0.3502

 14.6090, 0.2599,
0.3719


 144.3358, 0.2882,
0.3486

 8.5454, 0.2496,
0.3807

179.9498, 0.2900,
0.3472

 4.4459, 0.2342,
0.3939

220.9873, 0.2915,
0.3459

 1.9260, 0.2092,
0.4161

267.8328, 0.2928,

 0.5639, 0.0000,

0.3449

0.5949

320.8707, 0.2940,
0.3439

0.0000, 0.0000,
0.0000

48.4278, 0.2774,
0.3574

48.4278, 0.2774,
0.3574

46.7648, 0.2689,
0.3674

50.4071, 0.2870,
0.3481

45.3947, 0.2618,
0.3779

52.7128, 0.2974,
0.3396

44.3005, 0.2564,
0.3890


55.3617, 0.3084,
0.3318

43.4606, 0.2529,
0.4002


58.3679, 0.3197,
0.3248

42.8504, 0.2514,
0.4116


61.7445, 0.3310,
0.3186

 42.4399, 0.2518,
0.4228

 65.5041, 0.3422,
0.3130

 42.2525, 0.2527,
0.4297

 66.7857, 0.3418,
0.3073

 67.1033, 0.3372,
0.3014

 67.4321, 0.3327,
0.2956

Harmonies

Analogous

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



48.4278, 0.3107, 0.3841



48.4278, 0.2774, 0.3574



48.4278, 0.2543, 0.3229

Triad

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



48.4278, 0.2774, 0.3574



48.4278, 0.2778, 0.2711



48.4278, 0.3840, 0.3592

Complementary

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



48.4278, 0.2774, 0.3574



30.4692, 0.3675, 0.3027

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.



48.4278, 0.3745, 0.3302



48.4278, 0.2774, 0.3574



48.4278, 0.3115, 0.2812

Square

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



48.4278, 0.2774, 0.3574



48.4278, 0.2546, 0.2747



48.4278, 0.3474, 0.3023



48.4278, 0.3730, 0.3828

Rectangle

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



48.4278, 0.2774, 0.3574



48.4278, 0.2471, 0.3017



48.4278, 0.3474, 0.3023



48.4278, 0.3831, 0.3498

Sweetspot

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



48.4298, 0.2774, 0.3574



94.9997, 0.3014, 0.3366



48.6177, 0.3235, 0.4243



20.1945, 0.2999, 0.3377



0.0000, 0.0000, 0.0000



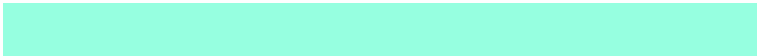
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4298, 0.2774, 0.3574



83.4172, 0.2707, 0.3651



43.4334, 0.2627, 0.3100



12.0115, 0.3023, 0.3360



27.4914, 0.2523, 0.4282



1.3140, 0.2458, 0.4049

Inverse Universe

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



30.4692, 0.3675, 0.3027



46.5800, 0.3860, 0.2965



33.7095, 0.3852, 0.3471



10.6882, 0.3244, 0.3221



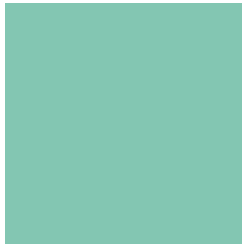
8.0270, 0.5745, 0.2938



0.3931, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 48.4278, 0.2774, 0.3574 looks on a white background.

Color Contrast Check

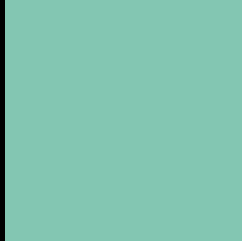
Large Text (above 18pt) WCAG AA × Fail

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 48.4278, 0.2774, 0.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

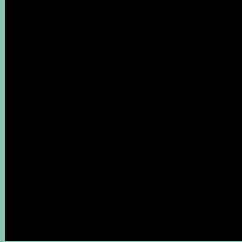
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4278, 0.2774, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 48.4278, 0.2774, 0.3574.



This preview shows how white text looks on a background with the Yxy color 48.4278, 0.2774, 0.3574.

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

48.4278, 0.2774, 0.3574

Protanopia

47.8456, 0.3301, 0.3458

Deuteranopia

47.7747, 0.3305, 0.3241



Tritanopia

48.1467, 0.2621, 0.3073

Trichromacy



Original Color

48.4278, 0.2774, 0.3574

Protanomaly

47.4186, 0.3085, 0.3492

Deuteranomaly

47.2642, 0.3083, 0.3343

Tritanomaly

48.2583, 0.2671, 0.3247

Monochromacy



Original Color

48.4278, 0.2774, 0.3574

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9289, 0.2983, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4278, 0.2774, 0.3574 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 178) }
```

Border

The CSS property to change the border of an element to Yxy 48.4278, 0.2774, 0.3574 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, 178) }
```

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

```
.border{ border-color:rgb(131, 198, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 178);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4278, 0.2774, 0.3574 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, 178) }
```

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

```
.background{ background-color: rgb(131,  
198, 178) }
```

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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