

Converting Colors

$Y_{xy}(49.7887, 0.2830, 0.3933)$

Have a look what the booklet for
Yxy(49.7887, 0.2830, 0.3933)
contains.

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Color

Yxy(49.7887, 0.2830, 0.3933)

Conversions

Conversions Part 1	
Format	Color
Hex	79CCA0
RGB	121, 204, 160
RGB Percent	47%, 80%, 63%
CMY	0.5254, 0.2000, 0.3726
CMYK	0.41, 0.00, 0.22, 0.20
HSL	148°, 45%, 64%
HSV	148°, 41%, 80%
XYZ	35.8256, 49.7887, 40.9779
YIQ	174.1670, -35.3440, -31.2800

Conversions

Conversions Part 2

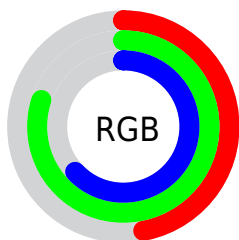
Format	Color
RYB	121, 177, 204
Decimal	7982240
CIELab	75.94, -35.11, 14.12
CIELCh	76, 37.844, 158.095
Yxy	49.7887, 0.2830, 0.3933
Android (android.graphics.Color)	4286172320 (0xFF79CCA0)
YUV	174.1670, -6.9843, -46.6275
Hunter-Lab	70.5611, -32.8532, 14.9605

Details

The Yxy color **49.7887, 0.2830, 0.3933** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2366, 0.3602, 0.2732**, and the grayscale version is **42.4718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6564, 0.2880, 0.3742**, and **23.7709, 0.2743, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **48.1067, 0.2776, 0.4127**, and if you desaturate by 10%, it is **51.8194, 0.2895, 0.3751**.

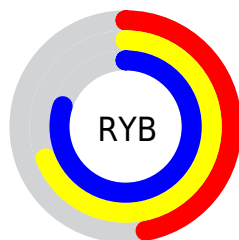
Distribution



Red (47%)

Green (80%)

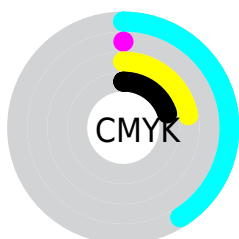
Blue (63%)



Red (47%)

Yellow (69%)

Blue (80%)

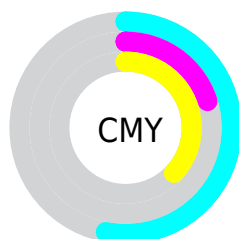


Cyan (41%)

Magenta (0%)

Yellow (22%)

Black (20%)



Cyan (53%)


Magenta (20%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7887, 0.2830, 0.3933 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 49.7887, 0.2830, 0.3933 by changing the saturation by 10% instead.


 49.7887, 0.2830,
0.3933


 49.7887, 0.2830,
0.3933


385.8391, 0.2983,
0.3601

 35.2455, 0.2790,
0.4019


 89.8617, 0.2887,
0.3810

 23.8521, 0.2738,
0.4131


 116.1604, 0.2908,
0.3765

 15.2239, 0.2667,
0.4284


 147.1463, 0.2926,
0.3726

 8.9767, 0.2566,
0.4503

183.2039, 0.2941,
0.3694

 4.7260, 0.2408,
0.4843

224.7176, 0.2954,
0.3666

 2.0874, 0.2135,
0.5434


272.0718, 0.2965,

 0.6575, 0.0000,

0.3642


1.0000

325.6508, 0.2975,
0.3620

 0.0000, 0.0000,
0.0000


 49.7887, 0.2830,
0.3933

 49.7887, 0.2830,
0.3933

 48.1067, 0.2776,
0.4127

 51.8194, 0.2895,
0.3751

 46.7466, 0.2736,
0.4331


 54.2115, 0.2967,
0.3585

 45.6876, 0.2714,
0.4540


 56.9846, 0.3043,
0.3434


 44.9034, 0.2710,
0.4746

 60.1549, 0.3122,
0.3299


 44.3631, 0.2727,
0.4945


 63.7379, 0.3201,
0.3179

 44.0269, 0.2756,
0.5120

 67.7480, 0.3279,
0.3073

 70.4861, 0.3287,
0.2973

 71.1333, 0.3210,
0.2870

 71.6658, 0.3151,
0.2792

Harmonies

Analogous

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



49.7887, 0.3335, 0.4210



49.7887, 0.2830, 0.3933



49.7887, 0.2426, 0.3439

Triad

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



49.7887, 0.2830, 0.3933



49.7887, 0.2445, 0.2471



49.7887, 0.4136, 0.3501

Complementary

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



49.7887, 0.2830, 0.3933



29.2366, 0.3602, 0.2732

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.



49.7887, 0.3860, 0.3097



49.7887, 0.2830, 0.3933



49.7887, 0.2854, 0.2529

Square

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



49.7887, 0.2830, 0.3933



49.7887, 0.2222, 0.2606



49.7887, 0.3375, 0.2753



49.7887, 0.4109, 0.3892

Rectangle

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



49.7887, 0.2830, 0.3933



49.7887, 0.2261, 0.3097



49.7887, 0.3375, 0.2753



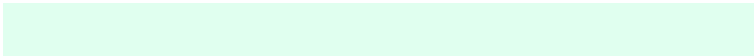
49.7887, 0.4075, 0.3364

Sweetspot

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



49.7907, 0.2830, 0.3933



93.6498, 0.3032, 0.3455



52.5963, 0.3404, 0.4408



19.9096, 0.3021, 0.3474



0.0000, 0.0000, 0.0000



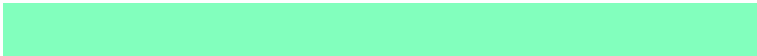
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7907, 0.2830, 0.3933



79.9324, 0.2781, 0.4107



51.4808, 0.2588, 0.3326



12.6232, 0.3053, 0.3416



27.7295, 0.2748, 0.5094



1.4458, 0.2645, 0.4720

Inverse Universe

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



29.2366, 0.3602, 0.2732



41.2384, 0.3755, 0.2615



27.9689, 0.4119, 0.3257



11.3114, 0.3208, 0.3168



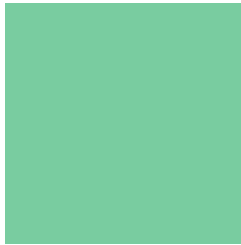
8.7829, 0.4815, 0.2426



0.4684, 0.4418, 0.2207

Previews

White Background



This preview shows how the Yxy color 49.7887, 0.2830, 0.3933 looks on a white background.

Color Contrast Check

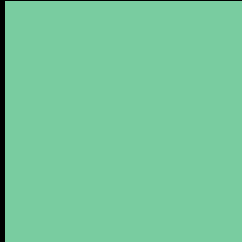
Large Text (above 18pt) WCAG AA × Fail

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 49.7887, 0.2830, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

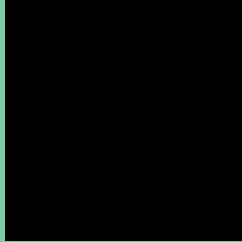
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7887, 0.2830, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 49.7887, 0.2830, 0.3933.



This preview shows how white text looks on a background with the Yxy color 49.7887, 0.2830, 0.3933.

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

49.7887, 0.2830, 0.3933

Protanopia

49.2225, 0.3505, 0.3736

Deuteranopia

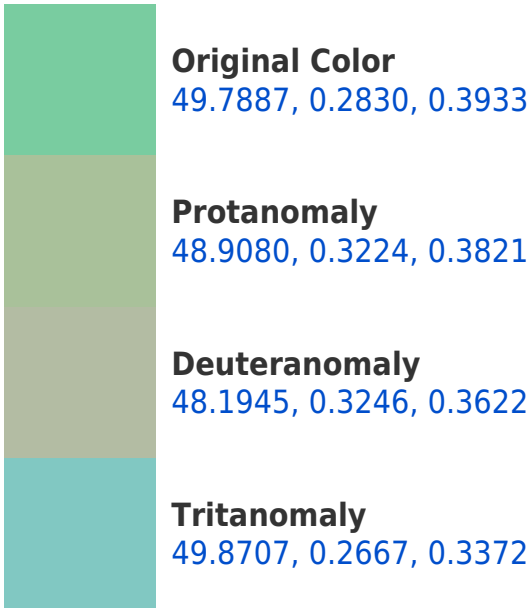
48.9539, 0.3540, 0.3461



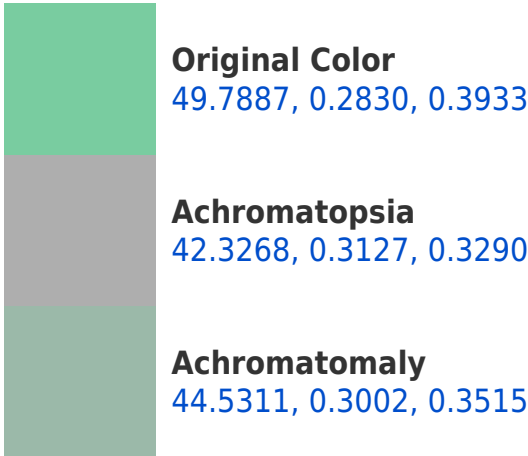
Tritanopia

49.7231, 0.2575, 0.3075

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7887, 0.2830, 0.3933 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(121, 204, 160)` looks like.

```
.text, #text, p{  
    color:rgb(121, 204, 160)  
}
```

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(121, 204, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 204, 160) }
```

Border

The CSS property to change the border of an element to Yxy 49.7887, 0.2830, 0.3933 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(121, 204, 160) }
```

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

```
.border{ border-color:rgb(121, 204, 160) }
```

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

Here you see how a box with a 4 pixel rgb(121, 204, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 204, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 204, 160);  
box-shadow:4px 4px 4px 4px rgb(121, 204,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7887, 0.2830, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 204, 160) }
```

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

```
.background{ background-color: rgb(121,  
204, 160) }
```

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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