

Converting Colors

$Yxy(47.8029, 0.2785, 0.3531)$

Have a look what the booklet for
Yxy(47.8029, 0.2785, 0.3531)
contains.

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Color

Yxy(47.8029, 0.2785, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	86C4B3
RGB	134, 196, 179
RGB Percent	53%, 77%, 70%
CMY	0.4746, 0.2313, 0.2981
CMYK	0.32, 0.00, 0.09, 0.23
HSL	164°, 34%, 65%
HSV	164°, 32%, 77%
XYZ	37.7035, 47.8029, 49.8742
YIQ	175.5240, -31.4950, -18.4310

Conversions

Conversions Part 2

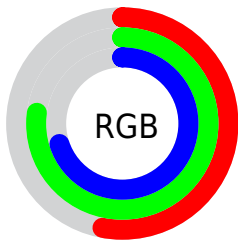
Format	Color
RYB	134, 170, 196
Decimal	8832179
CIELab	74.70, -23.57, 2.21
CIElCh	75, 23.672, 174.645
Yxy	47.8029, 0.2785, 0.3531
Android (android.graphics.Color)	4287022259 (0xFF86C4B3)
YUV	175.5240, 1.7137, -36.4165
Hunter-Lab	69.1396, -23.6540, 5.6286

Details

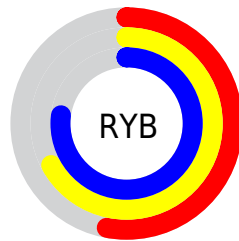
The Yxy color **47.8029, 0.2785, 0.3531** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0166, 0.3643, 0.3064**, and the grayscale version is **43.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0675, 0.2846, 0.3485**, and **22.6462, 0.2695, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **46.1275, 0.2695, 0.3621**, and if you desaturate by 10%, it is **49.7892, 0.2886, 0.3447**.

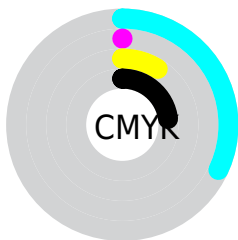
Distribution



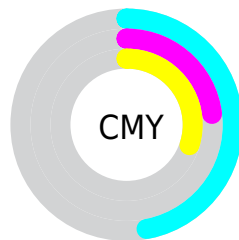
- Red (53%)
- Green (77%)
- Blue (70%)



- Red (53%)
- Yellow (67%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (47%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8029, 0.2785, 0.3531 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 47.8029, 0.2785, 0.3531 by changing the saturation by 10% instead.


 47.8029, 0.2785,
0.3531


 47.8029, 0.2785,
0.3531


378.0103, 0.2956,
0.3410


 33.6708, 0.2743,
0.3561


 86.9109, 0.2847,
0.3487

 22.6408, 0.2688,
0.3601


 112.6556, 0.2870,
0.3470

 14.3285, 0.2616,
0.3653

 143.0399, 0.2890,
0.3456

 8.3495, 0.2515,
0.3727

178.4483, 0.2907,
0.3444

 4.3194, 0.2366,
0.3838

219.2652, 0.2921,
0.3434

 1.8538, 0.2123,
0.4023

265.8748, 0.2934,

 0.5204, 0.0000,

0.3425

0.5580

318.6618, 0.2946,
0.3417

0.0000, 0.0000,
0.0000

47.8029, 0.2785,
0.3531

47.8029, 0.2785,
0.3531

46.1275, 0.2695,
0.3621

49.7892, 0.2886,
0.3447

44.7405, 0.2619,
0.3716

52.0959, 0.2994,
0.3371

43.6256, 0.2559,
0.3816

54.7391, 0.3108,
0.3301

42.7626, 0.2517,
0.3918

57.7325, 0.3224,
0.3238

42.1281, 0.2495,
0.4022

61.0886, 0.3341,
0.3182

■ 41.6945, 0.2493,
0.4124

■ 64.8195, 0.3457,
0.3133

■ 41.4430, 0.2503,
0.4210

■ 65.7362, 0.3442,
0.3080

■ 66.0203, 0.3400,
0.3026

■ 66.3137, 0.3358,
0.2973

Harmonies

Analogous

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



47.8029, 0.3089, 0.3783



47.8029, 0.2785, 0.3531



47.8029, 0.2579, 0.3215

Triad

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



47.8029, 0.2785, 0.3531



47.8029, 0.2824, 0.2757



47.8029, 0.3781, 0.3588

Complementary

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



47.8029, 0.2785, 0.3531



31.0166, 0.3643, 0.3064

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.



47.8029, 0.3706, 0.3321



47.8029, 0.2785, 0.3531



47.8029, 0.3139, 0.2858

Square

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



47.8029, 0.2785, 0.3531



47.8029, 0.2600, 0.2783



47.8029, 0.3466, 0.3059



47.8029, 0.3670, 0.3797

Rectangle

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



47.8029, 0.2785, 0.3531



47.8029, 0.2518, 0.3024



47.8029, 0.3466, 0.3059



47.8029, 0.3777, 0.3502

Sweetspot

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



47.8048, 0.2785, 0.3531



95.5049, 0.3023, 0.3352



47.8377, 0.3221, 0.4175



20.2969, 0.3006, 0.3363



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.



47.8048, 0.2785, 0.3531



84.4224, 0.2721, 0.3593



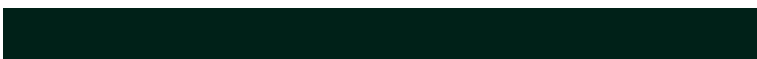
42.7427, 0.2656, 0.3099



11.3797, 0.3020, 0.3354



26.6410, 0.2499, 0.4195



1.1622, 0.2436, 0.3968

Inverse Universe

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



31.0166, 0.3643, 0.3064



49.2384, 0.3807, 0.3013



34.4561, 0.3786, 0.3472



10.1223, 0.3247, 0.3227



7.7235, 0.5825, 0.2982



0.3458, 0.5166, 0.2620

Previews

White Background



This preview shows how the Yxy color 47.8029, 0.2785, 0.3531 looks on a white background.

Color Contrast Check

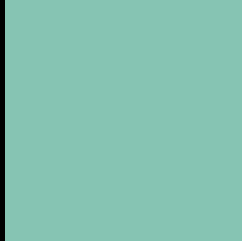
Large Text (above 18pt) WCAG AA × Fail

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 47.8029, 0.2785, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

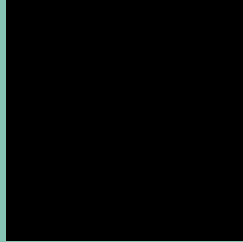
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

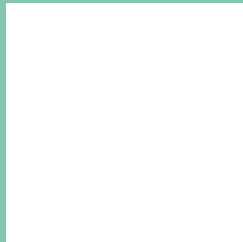
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8029, 0.2785, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 47.8029, 0.2785, 0.3531.

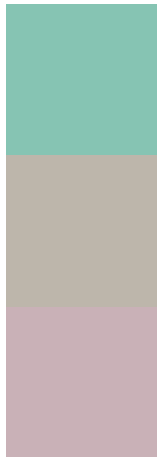


This preview shows how white text looks on a background with the Yxy color 47.8029, 0.2785, 0.3531.

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

47.8029, 0.2785, 0.3531

Protanopia

47.2150, 0.3276, 0.3433

Deuteranopia

47.2807, 0.3289, 0.3216



Tritanopia

47.7797, 0.2644, 0.3086

Trichromacy



Original Color

47.8029, 0.2785, 0.3531

Protanomaly

47.0317, 0.3078, 0.3465

Deuteranomaly

47.0055, 0.3084, 0.3316

Tritanomaly

47.5744, 0.2694, 0.3234

Monochromacy



Original Color

47.8029, 0.2785, 0.3531

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.6184, 0.2991, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8029, 0.2785, 0.3531 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(134, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(134, 196, 179)  
}
```

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(134, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 196, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.8029, 0.2785, 0.3531 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(134, 196, 179) }
```

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

```
.border{ border-color:rgb(134, 196, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 196, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 196, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 196, 179);  
box-shadow:4px 4px 4px 4px rgb(134, 196,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8029, 0.2785, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 196, 179) }
```

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

```
.background{ background-color: rgb(134,  
196, 179) }
```

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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