

Converting Colors

$Yxy(47.8052, 0.2763, 0.3432)$

Have a look what the booklet for
Yxy(47.8052, 0.2763, 0.3432)
contains.

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Color

Yxy(47.7672, 0.2759, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	88C3B9
RGB	136, 195, 185
RGB Percent	53%, 76%, 73%
CMY	0.4664, 0.2353, 0.2744
CMYK	0.30, 0.00, 0.05, 0.24
HSL	170°, 33%, 65%
HSV	170°, 30%, 76%
XYZ	38.4339, 47.7672, 53.1025
YIQ	176.2190, -31.9540, -15.6180

Conversions

Conversions Part 2

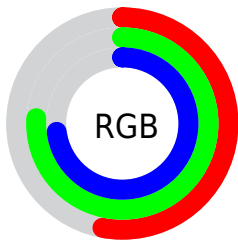
Format	Color
R_{YB}	136, 168, 195
Decimal	8963001
CIE _{Lab}	74.68, -21.11, -1.09
CIE _{LCh}	75, 21.142, 182.947
Yxy	47.7672, 0.2759, 0.3429
Android (android.graphics.Color)	4287153081 (0xFF88C3B9)
YUV	176.2190, 4.3290, -35.2721
Hunter-Lab	69.1138, -21.6862, 2.8251

Details

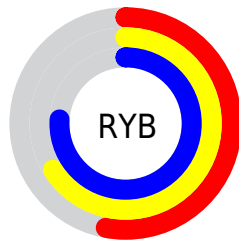
The Yxy color $47.7672, 0.2759, 0.3429$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $31.3028, 0.3683, 0.3158$, and the grayscale version is $43.5334, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.0480, 0.2825, 0.3408$, and $22.6005, 0.2659, 0.3465$ is the 20% darker color. If you saturate the color by 10%, you get $46.1436, 0.2657, 0.3482$, and if you desaturate by 10%, it is $49.6949, 0.2873, 0.3379$.

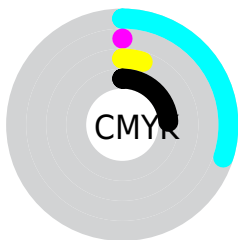
Distribution



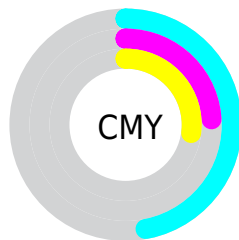
- Red (53%)
- Green (76%)
- Blue (73%)



- Red (53%)
- Yellow (66%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (47%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7672, 0.2759, 0.3429 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 47.7672, 0.2759, 0.3429 by changing the saturation by 10% instead.


 47.7672, 0.2759,
0.3429

 47.7672, 0.2759,
0.3429


377.8686, 0.2941,
0.3361

 33.6426, 0.2714,
0.3446


 86.8577, 0.2825,
0.3404

 22.6191, 0.2656,
0.3467


 112.5923, 0.2850,
0.3395

 14.3125, 0.2580,
0.3495


 142.9658, 0.2871,
0.3387

 8.3384, 0.2475,
0.3533

178.3624, 0.2889,
0.3381

 4.3122, 0.2321,
0.3588

219.1666, 0.2905,
0.3375

 1.8497, 0.2073,
0.3675

265.7628, 0.2918,

 0.5179, 0.0000,

0.3369

0.4473

318.5353, 0.2931,
0.3365

0.0000, 0.0000,
0.0000

47.7672, 0.2759,
0.3429

47.7672, 0.2759,
0.3429

46.1436, 0.2657,
0.3482

49.6949, 0.2873,
0.3379

44.8023, 0.2569,
0.3539

51.9359, 0.2996,
0.3333

43.7274, 0.2498,
0.3597

54.5060, 0.3124,
0.3291

42.8993, 0.2446,
0.3657

57.4183, 0.3256,
0.3253

42.2957, 0.2413,
0.3718

60.6851, 0.3390,
0.3219

■ 41.8899, 0.2399,
0.3778

■ 64.3183, 0.3523,
0.3189

■ 41.6346, 0.2399,
0.3837

■ 64.8461, 0.3512,
0.3156

■ 65.0104, 0.3485,
0.3122

■ 65.1780, 0.3459,
0.3089

Harmonies

Analogous

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



47.7672, 0.3014, 0.3677



47.7672, 0.2759, 0.3429



47.7672, 0.2605, 0.3151

Triad

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



47.7672, 0.2759, 0.3429



47.7672, 0.2929, 0.2825



47.7672, 0.3700, 0.3619

Complementary

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



47.7672, 0.2759, 0.3429



31.3028, 0.3683, 0.3158

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.



47.7672, 0.3679, 0.3388



47.7672, 0.2759, 0.3429



47.7672, 0.3222, 0.2944

Square

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



47.7672, 0.2759, 0.3429



47.7672, 0.2699, 0.2816



47.7672, 0.3501, 0.3145



47.7672, 0.3561, 0.3778

Rectangle

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



47.7672, 0.2759, 0.3429



47.7672, 0.2575, 0.2993



47.7672, 0.3501, 0.3145



47.7672, 0.3712, 0.3547

Sweetspot

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



47.7691, 0.2759, 0.3429



93.4970, 0.3009, 0.3328



46.9961, 0.3170, 0.4142



20.3344, 0.2990, 0.3335



0.0000, 0.0000, 0.0000



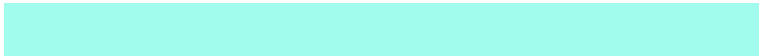
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7691, 0.2759, 0.3429



83.6585, 0.2693, 0.3463



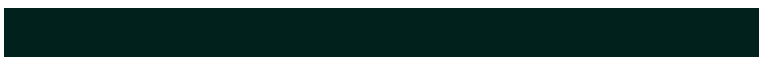
40.3593, 0.2667, 0.3023



11.3982, 0.3006, 0.3329



27.0738, 0.2397, 0.3829



1.1777, 0.2360, 0.3695

Inverse Universe

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



31.3028, 0.3683, 0.3158



49.6405, 0.3850, 0.3129



36.7305, 0.3724, 0.3541



10.1051, 0.3263, 0.3251



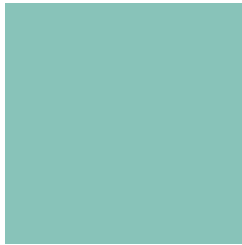
7.6208, 0.6131, 0.3151



0.3381, 0.5559, 0.2836

Previews

White Background



This preview shows how the Yxy color 47.7672, 0.2759, 0.3429 looks on a white background.

Color Contrast Check

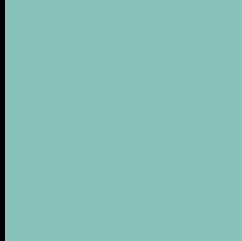
Large Text (above 18pt) WCAG AA × Fail

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 47.7672, 0.2759, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

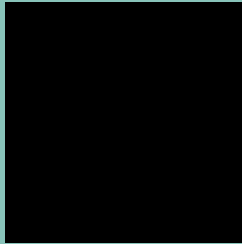
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

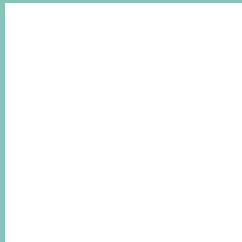
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7672, 0.2759, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 47.7672, 0.2759, 0.3429.

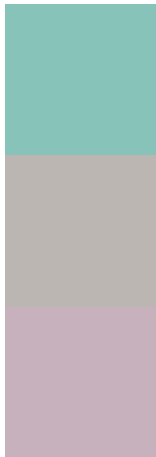


This preview shows how white text looks on a background with the Yxy color 47.7672, 0.2759, 0.3429.

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

47.7672, 0.2759, 0.3429

Protanopia

47.2350, 0.3202, 0.3342

Deuteranopia

47.1242, 0.3213, 0.3141



Tritanopia

47.8670, 0.2650, 0.3087

Trichromacy



Original Color

47.7672, 0.2759, 0.3429

Protanomaly

47.2017, 0.3017, 0.3370

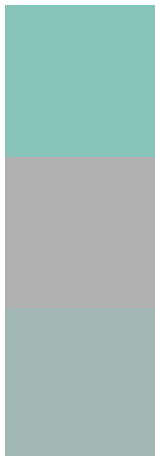
Deuteranomaly

47.0258, 0.3022, 0.3237

Tritanomaly

47.7524, 0.2688, 0.3207

Monochromacy



Original Color

47.7672, 0.2759, 0.3429

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.6987, 0.2976, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7672, 0.2759, 0.3429 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(136, 195, 185)` looks like.

```
.text, #text, p{  
    color:rgb(136, 195, 185)  
}
```

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(136, 195, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 195, 185) }
```

Border

The CSS property to change the border of an element to Yxy 47.7672, 0.2759, 0.3429 is called "border". The border property can be set on classes, ids or directly on the HTML element.

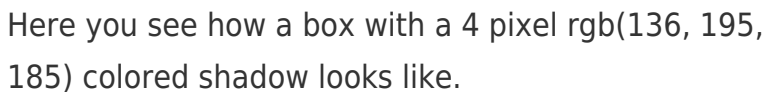
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 195, 185) }
```

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

```
.border{ border-color:rgb(136, 195, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 195, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 195, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 195, 185); box-shadow:4px 4px 4px 4px rgb(136, 195, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7672, 0.2759, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 195, 185) }
```

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

```
.background{ background-color: rgb(136,  
195, 185) }
```

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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