

Converting Colors

$Yxy(42.8862, 0.2719, 0.3452)$

Have a look what the booklet for
Yxy(42.8862, 0.2719, 0.3452)
contains.

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Color

Yxy(42.8862, 0.2719, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	7BBBB0
RGB	123, 187, 176
RGB Percent	48%, 73%, 69%
CMY	0.5175, 0.2667, 0.3098
CMYK	0.34, 0.00, 0.06, 0.27
HSL	170°, 32%, 61%
HSV	170°, 34%, 73%
XYZ	33.7797, 42.8862, 47.5699
YIQ	166.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

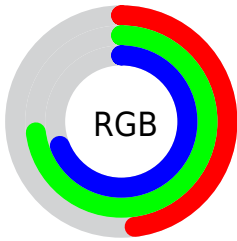
Format	Color
RYB	123, 158, 187
Decimal	8108976
CIELab	71.48, -22.89, -0.94
CIElCh	71, 22.910, 182.340
Yxy	42.8862, 0.2719, 0.3452
Android (android.graphics.Color)	4286299056 (0xFF7BBBB0)
YUV	166.6100, 4.6293, -38.2460
Hunter-Lab	65.4876, -22.5296, 2.7733

Details

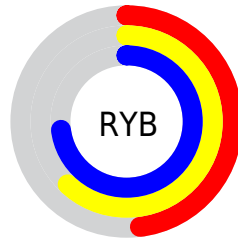
The Yxy color **42.8862, 0.2719, 0.3452** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.4646, 0.3780, 0.3137**, and the grayscale version is **38.4392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3924, 0.2793, 0.3413**, and **19.8075, 0.2595, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **41.5116, 0.2623, 0.3507**, and if you desaturate by 10%, it is **44.5307, 0.2828, 0.3400**.

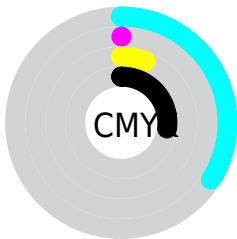
Distribution



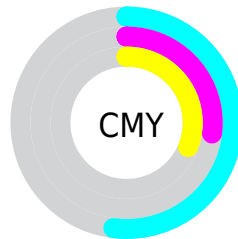
- Red (48%)
- Green (73%)
- Blue (69%)



- Red (48%)
- Yellow (62%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)





- Cyan (52%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8862, 0.2719, 0.3452 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 42.8862, 0.2719, 0.3452 by changing the saturation by 10% instead.


 42.8862, 0.2719,
0.3452


 42.8862, 0.2719,
0.3452


358.1436, 0.2925,
0.3371

 29.7958, 0.2667,
0.3472


 79.5391, 0.2794,
0.3423

 19.6837, 0.2600,
0.3498


 103.8704, 0.2822,
0.3411

 12.1653, 0.2510,
0.3533


 132.7175, 0.2846,
0.3402

 6.8564, 0.2385,
0.3581

166.4648, 0.2866,
0.3394

 3.3724, 0.2195,
0.3653

205.4967, 0.2884,
0.3387

 1.3291, 0.1847,
0.3784

250.1975, 0.2899,

 0.1636, 0.0000,

0.3381

0.4018

300.9516, 0.2913,
0.3376

0.0000, 0.0000,
0.0000

42.8862, 0.2719,
0.3452

42.8862, 0.2719,
0.3452

41.5116, 0.2623,
0.3507

44.5307, 0.2828,
0.3400

40.3866, 0.2542,
0.3566

46.4539, 0.2947,
0.3352

39.4965, 0.2478,
0.3626


48.6703, 0.3073,
0.3307


38.8225, 0.2433,
0.3687


51.1920, 0.3203,
0.3267

38.3434, 0.2408,
0.3748

54.0304, 0.3336,
0.3231


 38.0332, 0.2400,
0.3809

 57.1964, 0.3468,
0.3199

 37.9000, 0.2401,
0.3845

 60.7002, 0.3599,
0.3171

 61.0503, 0.3580,
0.3139

 61.2039, 0.3553,
0.3106

Harmonies

Analogous

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



42.8862, 0.3005, 0.3732



42.8862, 0.2719, 0.3452



42.8862, 0.2546, 0.3137

Triad

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



42.8862, 0.2719, 0.3452



42.8862, 0.2898, 0.2770



42.8862, 0.3772, 0.3651

Complementary

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



42.8862, 0.2719, 0.3452



26.4646, 0.3780, 0.3137

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.



42.8862, 0.3745, 0.3391



42.8862, 0.2719, 0.3452



42.8862, 0.3226, 0.2900

Square

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



42.8862, 0.2719, 0.3452



42.8862, 0.2644, 0.2762



42.8862, 0.3541, 0.3122



42.8862, 0.3618, 0.3834

Rectangle

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



42.8862, 0.2719, 0.3452



42.8862, 0.2511, 0.2959



42.8862, 0.3541, 0.3122



42.8862, 0.3785, 0.3569

Sweetspot

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



42.8879, 0.2719, 0.3452



84.7404, 0.2997, 0.3333



42.1022, 0.3174, 0.4268



18.5406, 0.2979, 0.3340



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.8879, 0.2719, 0.3452



74.9318, 0.2646, 0.3493



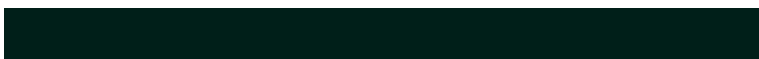
35.3465, 0.2610, 0.2984



10.7806, 0.3007, 0.3330



26.1241, 0.2399, 0.3837



1.0309, 0.2359, 0.3691

Inverse Universe

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



26.4646, 0.3780, 0.3137



41.0831, 0.3994, 0.3104



31.7301, 0.3824, 0.3575



9.5624, 0.3262, 0.3251



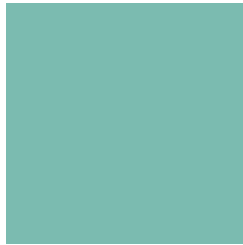
7.3593, 0.6121, 0.3146



0.2967, 0.5509, 0.2808

Previews

White Background



This preview shows how the Yxy color 42.8862, 0.2719, 0.3452 looks on a white background.

Color Contrast Check

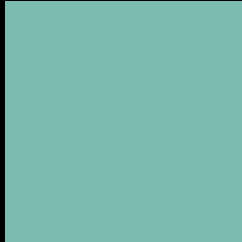
Large Text (above 18pt) WCAG AA × Fail

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 42.8862, 0.2719, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

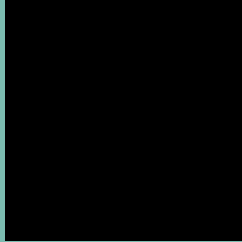
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

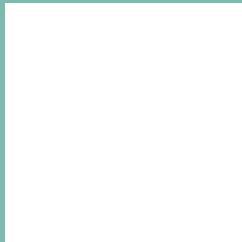
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8862, 0.2719, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 42.8862, 0.2719, 0.3452.



This preview shows how white text looks on a background with the Yxy color 42.8862, 0.2719, 0.3452.

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

42.8862, 0.2719, 0.3452

Protanopia

42.6830, 0.3222, 0.3371

Deuteranopia

42.4900, 0.3216, 0.3148



Tritanopia

42.9474, 0.2607, 0.3090

Trichromacy



Original Color

42.8862, 0.2719, 0.3452

Protanomaly

42.5514, 0.3020, 0.3402

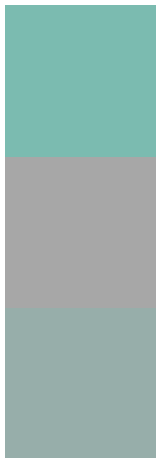
Deuteranomaly

42.3047, 0.3008, 0.3248

Tritanomaly

42.8512, 0.2646, 0.3216

Monochromacy



Original Color

42.8862, 0.2719, 0.3452

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.7537, 0.2960, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8862, 0.2719, 0.3452 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(123, 187, 176)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 176)  
}
```

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(123, 187, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 176) }
```

Border

The CSS property to change the border of an element to Yxy 42.8862, 0.2719, 0.3452 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(123, 187, 176) }
```

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

```
.border{ border-color:rgb(123, 187, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 187, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 187, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 187, 176);  
box-shadow:4px 4px 4px 4px rgb(123, 187,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8862, 0.2719, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 176) }
```

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

```
.background{ background-color: rgb(123,  
187, 176) }
```

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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