

Converting Colors

$Yxy(48.5332, 0.2755, 0.3597)$

Have a look what the booklet for
Yxy(48.5332, 0.2755, 0.3597)
contains.

Yxy(48.5332, 0.2756, 0.3604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.5332, 0.2756, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	7FC7B1
RGB	127, 199, 177
RGB Percent	50%, 78%, 69%
CMY	0.5019, 0.2196, 0.3058
CMYK	0.36, 0.00, 0.11, 0.22
HSL	162°, 39%, 64%
HSV	162°, 36%, 78%
XYZ	37.1136, 48.5332, 49.0180
YIQ	174.9640, -35.8500, -22.1060

Conversions

Conversions Part 2

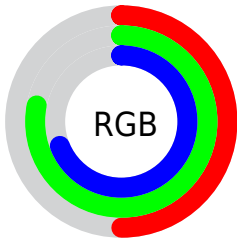
Format	Color
RYB	127, 169, 199
Decimal	8374193
CIELab	75.16, -27.48, 3.89
CIElCh	75, 27.749, 171.944
Yxy	48.5332, 0.2756, 0.3604
Android (android.graphics.Color)	4286564273 (0xFF7FC7B1)
YUV	174.9640, 1.0037, -42.0644
Hunter-Lab	69.6658, -26.8213, 7.0486

Details

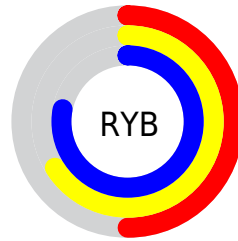
The Yxy color **48.5332, 0.2756, 0.3604** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.4917, 0.3722, 0.3002**, and the grayscale version is **42.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3483, 0.2820, 0.3531**, and **23.1619, 0.2658, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **46.9181, 0.2675, 0.3708**, and if you desaturate by 10%, it is **50.4648, 0.2849, 0.3507**.

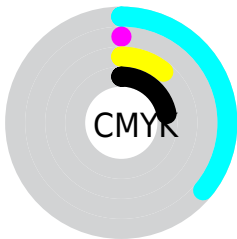
Distribution



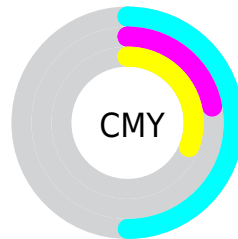
- Red (50%)
- Green (78%)
- Blue (69%)



- Red (50%)
- Yellow (66%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)





- Cyan (50%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5332, 0.2756, 0.3604 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 48.5332, 0.2756, 0.3604 by changing the saturation by 10% instead.


 48.5332, 0.2756,
0.3604

 48.5332, 0.2756,
0.3604


380.9017, 0.2941,
0.3446


 34.2493, 0.2710,
0.3644


 87.9978, 0.2823,
0.3546

 23.0852, 0.2651,
0.3696


 113.9472, 0.2848,
0.3524

 14.6564, 0.2572,
0.3765


 144.5540, 0.2870,
0.3506

 8.5786, 0.2463,
0.3863


180.2026, 0.2888,
0.3491

 4.4674, 0.2301,
0.4011

221.2772, 0.2904,
0.3477

 1.9383, 0.2038,
0.4260

268.1623, 0.2918,

 0.5712, 0.0000,

0.3465

0.6200

321.2424, 0.2930,
0.3455

0.0000, 0.0000,
0.0000

48.5332, 0.2756,
0.3604

48.5332, 0.2756,
0.3604

46.9181, 0.2675,
0.3708

50.4648, 0.2849,
0.3507

45.5956, 0.2608,
0.3817

52.7234, 0.2951,
0.3418

44.5478, 0.2559,
0.3931


55.3265, 0.3059,
0.3336


43.7523, 0.2529,
0.4047


58.2884, 0.3170,
0.3263


43.1830, 0.2519,
0.4163

61.6226, 0.3282,
0.3197


 42.8070, 0.2528,
0.4278

 65.3419, 0.3394,
0.3139

 42.6898, 0.2534,
0.4322

 67.2509, 0.3415,
0.3082

 67.5778, 0.3368,
0.3021

 67.9165, 0.3322,
0.2962

Harmonies

Analogous

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



48.5332, 0.3114, 0.3889



48.5332, 0.2756, 0.3604



48.5332, 0.2507, 0.3232

Triad

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



48.5332, 0.2756, 0.3604



48.5332, 0.2745, 0.2671



48.5332, 0.3892, 0.3604

Complementary

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



48.5332, 0.2756, 0.3604



29.4917, 0.3722, 0.3002

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.



48.5332, 0.3786, 0.3293



48.5332, 0.2756, 0.3604



48.5332, 0.3103, 0.2776

Square

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



48.5332, 0.2756, 0.3604



48.5332, 0.2501, 0.2711



48.5332, 0.3490, 0.2998



48.5332, 0.3779, 0.3860

Rectangle

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



48.5332, 0.2756, 0.3604



48.5332, 0.2428, 0.3003



48.5332, 0.3490, 0.2998



48.5332, 0.3881, 0.3502

Sweetspot

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



48.5352, 0.2756, 0.3604



94.5235, 0.3004, 0.3376



48.8454, 0.3250, 0.4315



20.0989, 0.2990, 0.3387



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.



48.5352, 0.2756, 0.3604



82.8202, 0.2694, 0.3681



43.6705, 0.2598, 0.3102



12.0103, 0.3024, 0.3361



27.4663, 0.2529, 0.4306



1.3130, 0.2463, 0.4067

Inverse Universe

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



29.4917, 0.3722, 0.3002



44.8654, 0.3905, 0.2942



32.4906, 0.3927, 0.3468



10.6894, 0.3242, 0.3220



8.0364, 0.5721, 0.2925



0.3936, 0.5114, 0.2591

Previews

White Background



This preview shows how the Yxy color 48.5332, 0.2756, 0.3604 looks on a white background.

Color Contrast Check

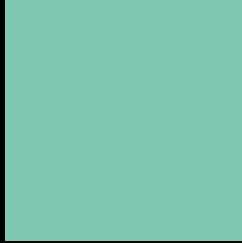
Large Text (above 18pt) WCAG AA × Fail

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 48.5332, 0.2756, 0.3604 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

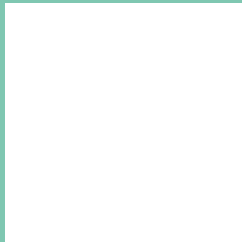
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5332, 0.2756, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 48.5332, 0.2756, 0.3604.



This preview shows how white text looks on a background with the Yxy color 48.5332, 0.2756, 0.3604.

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

48.5332, 0.2756, 0.3604

Protanopia

48.2219, 0.3307, 0.3483

Deuteranopia

47.8735, 0.3323, 0.3254



Tritanopia

48.3876, 0.2599, 0.3073

Trichromacy



Original Color

48.5332, 0.2756, 0.3604

Protanomaly

47.6986, 0.3084, 0.3520

Deuteranomaly

47.5271, 0.3082, 0.3369

Tritanomaly

48.4626, 0.2654, 0.3261

Monochromacy



Original Color

48.5332, 0.2756, 0.3604

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.6847, 0.2974, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5332, 0.2756, 0.3604 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(127, 199, 177)` looks like.

```
.text, #text, p{  
    color:rgb(127, 199, 177)  
}
```

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(127, 199, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 199, 177) }
```

Border

The CSS property to change the border of an element to Yxy 48.5332, 0.2756, 0.3604 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(127, 199, 177) }
```

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

```
.border{ border-color:rgb(127, 199, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 199, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 199, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 199, 177);  
box-shadow:4px 4px 4px 4px rgb(127, 199,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5332, 0.2756, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 199, 177) }
```

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

```
.background{ background-color: rgb(127,  
199, 177) }
```

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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