

Converting Colors

$Y_{xy}(43.5213, 0.2505, 0.3481)$

Have a look what the booklet for
Yxy(43.5213, 0.2505, 0.3481)
contains.

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Color

Yxy(43.4615, 0.2507, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	57C1B4
RGB	87, 193, 180
RGB Percent	34%, 76%, 71%
CMY	0.6584, 0.2432, 0.2941
CMYK	0.55, 0.00, 0.07, 0.24
HSL	173°, 46%, 55%
HSV	173°, 55%, 76%
XYZ	31.2469, 43.4615, 49.9302
YIQ	159.8240, -59.0030, -26.5150

Conversions

Conversions Part 2

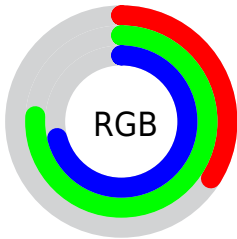
Format	Color
RYB	87, 143, 193
Decimal	5751220
CIELab	71.87, -33.65, -2.73
CIELCh	72, 33.763, 184.644
Yxy	43.4615, 0.2507, 0.3487
Android (android.graphics.Color)	4283941300 (0xFF57C1B4)
YUV	159.8240, 9.9468, -63.8666
Hunter-Lab	65.9253, -30.7649, 1.2429

Details

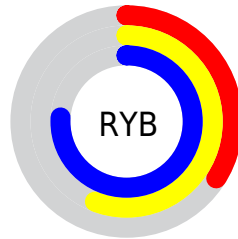
The Yxy color **43.4615, 0.2507, 0.3487** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.0913, 0.4535, 0.3124**, and the grayscale version is **35.0554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4471, 0.2617, 0.3451**, and **20.0621, 0.2334, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **42.5583, 0.2441, 0.3529**, and if you desaturate by 10%, it is **44.6181, 0.2591, 0.3446**.

Distribution



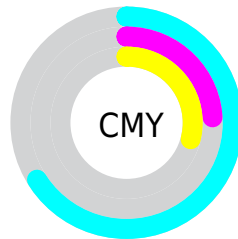
- Red (34%)
- Green (76%)
- Blue (71%)



- Red (34%)
- Yellow (56%)
- Blue (76%)



- Cyan (55%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)





- Cyan (66%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4615, 0.2507, 0.3487 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 43.4615, 0.2507, 0.3487 by changing the saturation by 10% instead.


 43.4615, 0.2507,
0.3487


 43.4615, 0.2507,
0.3487


360.5063, 0.2817,
0.3391

 30.2474, 0.2430,
0.3510


 80.4068, 0.2620,
0.3453

 20.0264, 0.2331,
0.3539


 104.9068, 0.2662,
0.3440

 12.4143, 0.2201,
0.3576


 133.9375, 0.2698,
0.3429

 7.0265, 0.2020,
0.3626

 167.8834, 0.2728,
0.3419

 3.4787, 0.1756,
0.3694

207.1288, 0.2755,
0.3411

 1.3864, 0.1188,
0.3856

252.0582, 0.2778,

 0.2067, 0.0000,

0.3403

0.3319

303.0559, 0.2799,
0.3397

0.0000, 0.0000,
0.0000

43.4615, 0.2507,
0.3487

43.4615, 0.2507,
0.3487

42.5583, 0.2441,
0.3529

44.6181, 0.2591,
0.3446

41.8832, 0.2394,
0.3572

46.0411, 0.2691,
0.3407

41.4143, 0.2366,
0.3614

47.7485, 0.2804,
0.3370

41.1233, 0.2356,
0.3656

49.7554, 0.2928,
0.3336

41.0134, 0.2355,
0.3678

52.0757, 0.3061,
0.3304

■ 54.7226, 0.3198,
0.3276

■ 57.7084, 0.3339,
0.3250

■ 61.0449, 0.3479,
0.3227

■ 63.6271, 0.3571,
0.3205

Harmonies

Analogous

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



43.4615, 0.2903, 0.3930



43.4615, 0.2507, 0.3487



43.4615, 0.2282, 0.3018

Triad

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



43.4615, 0.2507, 0.3487



43.4615, 0.2822, 0.2560



43.4615, 0.4062, 0.3820

Complementary

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



43.4615, 0.2507, 0.3487



19.0913, 0.4535, 0.3124

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.



43.4615, 0.4052, 0.3448



43.4615, 0.2507, 0.3487



43.4615, 0.3303, 0.2754

Square

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



43.4615, 0.2507, 0.3487



43.4615, 0.2453, 0.2526



43.4615, 0.3766, 0.3069



43.4615, 0.3808, 0.4094

Rectangle

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



43.4615, 0.2507, 0.3487



43.4615, 0.2247, 0.2772



43.4615, 0.3766, 0.3069



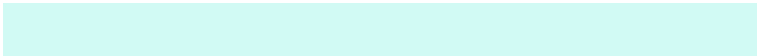
43.4615, 0.4091, 0.3701

Sweetspot

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



43.4632, 0.2507, 0.3487



88.5910, 0.2911, 0.3341



41.6054, 0.3137, 0.4984



18.8395, 0.2884, 0.3348



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



43.4632, 0.2507, 0.3487



75.9346, 0.2429, 0.3538



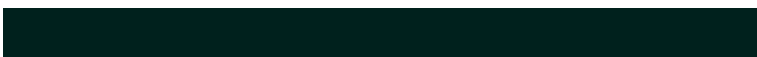
29.0472, 0.2309, 0.2667



11.4065, 0.3000, 0.3318



27.2896, 0.2354, 0.3672



1.1852, 0.2327, 0.3578

Inverse Universe

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



19.0913, 0.4535, 0.3124



27.8207, 0.5054, 0.3111



26.9299, 0.4409, 0.3810



10.0975, 0.3270, 0.3262



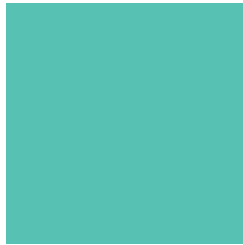
7.5901, 0.6230, 0.3206



0.3347, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 43.4615, 0.2507, 0.3487 looks on a white background.

Color Contrast Check

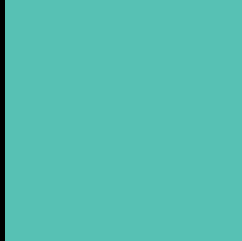
Large Text (above 18pt) WCAG AA × Fail

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 43.4615, 0.2507, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

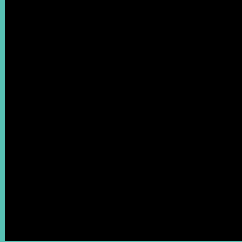
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

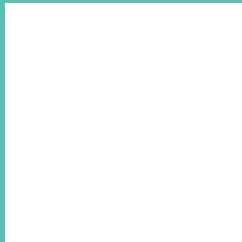
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4615, 0.2507, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 43.4615, 0.2507, 0.3487.

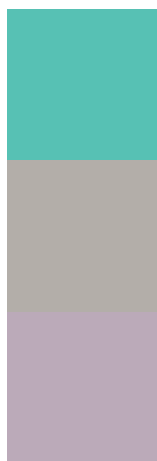


This preview shows how white text looks on a background with the Yxy color 43.4615, 0.2507, 0.3487.

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

43.4615, 0.2507, 0.3487

Protanopia

42.7204, 0.3214, 0.3358

Deuteranopia

42.8170, 0.3154, 0.3096



Tritanopia

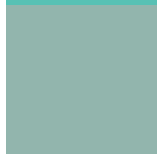
43.2898, 0.2403, 0.3056

Trichromacy



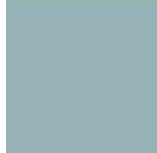
Original Color

43.4615, 0.2507, 0.3487



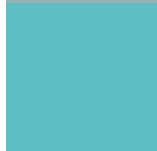
Protanomaly

42.1759, 0.2900, 0.3405



Deuteranomaly

41.8390, 0.2864, 0.3219



Tritanomaly

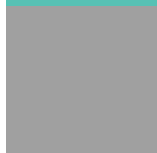
43.1396, 0.2439, 0.3199

Monochromacy



Original Color

43.4615, 0.2507, 0.3487



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.2816, 0.2834, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4615, 0.2507, 0.3487 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(87, 193, 180)` looks like.

```
.text, #text, p{  
    color:rgb(87, 193, 180)  
}
```

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(87, 193, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 193, 180) }
```

Border

The CSS property to change the border of an element to Yxy 43.4615, 0.2507, 0.3487 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(87, 193, 180) }
```

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

```
.border{ border-color:rgb(87, 193, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 193, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 193, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 193, 180);  
box-shadow:4px 4px 4px 4px rgb(87, 193,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4615, 0.2507, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 193, 180) }
```

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

```
.background{ background-color: rgb(87, 193,  
180) }
```

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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