

Converting Colors

$Y_{xy}(48.1570, 0.2535, 0.3006)$

Have a look what the booklet for
Yxy(48.1570, 0.2535, 0.3006)
contains.

Yxy(48.1570, 0.2535, 0.3006)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.1570, 0.2535, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	81C2D7
RGB	129, 194, 215
RGB Percent	51%, 76%, 84%
CMY	0.4940, 0.2392, 0.1569
CMYK	0.40, 0.10, 0.00, 0.16
HSL	195°, 52%, 67%
HSV	195°, 40%, 84%
XYZ	40.6114, 48.1570, 71.4345
YIQ	176.9590, -45.4810, -7.2490

Conversions

Conversions Part 2

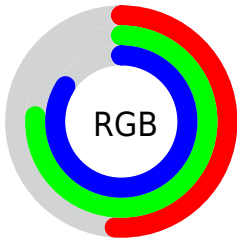
Format	Color
RYB	129, 166, 215
Decimal	8504023
CIELab	74.92, -15.32, -17.02
CIELCh	75, 22.899, 228.010
Yxy	48.1570, 0.2535, 0.3006
Android (android.graphics.Color)	4286694103 (0xFF81C2D7)
YUV	176.9590, 18.7542, -42.0600
Hunter-Lab	69.3952, -16.9800, -12.4556

Details

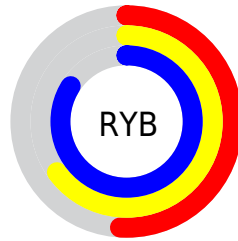
The Yxy color **48.1570, 0.2535, 0.3006** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8457, 0.4025, 0.3552**, and the grayscale version is **43.8644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5286, 0.2722, 0.3246**, and **22.7501, 0.2379, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **44.3533, 0.2407, 0.2922**, and if you desaturate by 10%, it is **52.4011, 0.2675, 0.3086**.

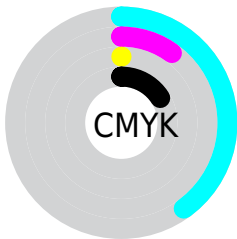
Distribution



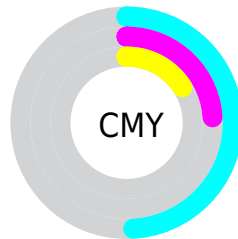
- Red (51%)
- Green (76%)
- Blue (84%)



- Red (51%)
- Yellow (65%)
- Blue (84%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (49%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1570, 0.2535, 0.3006 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 48.1570, 0.2535, 0.3006 by changing the saturation by 10% instead.


 48.1570, 0.2535,
0.3006


 48.1570, 0.2535,
0.3006


379.4141, 0.2823,
0.3152

 33.9512, 0.2466,
0.2969


 87.4381, 0.2638,
0.3060

 22.8561, 0.2379,
0.2920


 113.2823, 0.2677,
0.3080

 14.4873, 0.2266,
0.2855


 143.7746, 0.2710,
0.3097

 8.4604, 0.2115,
0.2764

179.2997, 0.2739,
0.3111

 4.3909, 0.1902,
0.2628

220.2417, 0.2764,
0.3123

 1.8946, 0.1585,
0.2405

266.9852, 0.2786,

 0.5451, 0.0529,

0.3134

0.1999

319.9146, 0.2805,
0.3144

0.0000, 0.0000,
0.0000

48.1570, 0.2535,
0.3006

48.1570, 0.2535,
0.3006

44.3533, 0.2407,
0.2922

52.4011, 0.2675,
0.3086

40.9612, 0.2293,
0.2834

57.1013, 0.2822,
0.3160

37.9568, 0.2196,
0.2744

62.2791, 0.2974,
0.3228

35.3106, 0.2119,
0.2652

67.9531, 0.3127,
0.3290

32.9882, 0.2061,
0.2562

74.1404, 0.3280,
0.3346

■ 30.9278, 0.2020,
0.2472

■ 80.2812, 0.3408,
0.3396

■ 30.9248, 0.2020,
0.2472

■ 83.1708, 0.3400,
0.3448

■ 86.1483, 0.3392,
0.3500

■ 89.2147, 0.3384,
0.3551

Harmonies

Analogous

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



48.1570, 0.2631, 0.3285



48.1570, 0.2535, 0.3006



48.1570, 0.2587, 0.2824

Triad

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



48.1570, 0.2535, 0.3006



48.1570, 0.3389, 0.3018



48.1570, 0.3468, 0.3853

Complementary

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



48.1570, 0.2535, 0.3006



37.8457, 0.4025, 0.3552

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.



48.1570, 0.3689, 0.3744



48.1570, 0.2535, 0.3006



48.1570, 0.3646, 0.3262

Square

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



48.1570, 0.2535, 0.3006



48.1570, 0.3067, 0.2841



48.1570, 0.3758, 0.3524



48.1570, 0.3161, 0.3800

Rectangle

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



48.1570, 0.2535, 0.3006



48.1570, 0.2700, 0.2773



48.1570, 0.3758, 0.3524



48.1570, 0.3555, 0.3833

Sweetspot

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



48.1589, 0.2535, 0.3006



89.9776, 0.2941, 0.3214



55.4352, 0.2953, 0.4221



19.0393, 0.2921, 0.3205



0.0000, 0.0000, 0.0000



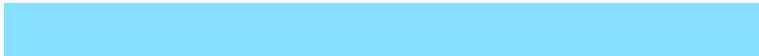
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1589, 0.2535, 0.3006



66.0899, 0.2425, 0.2935



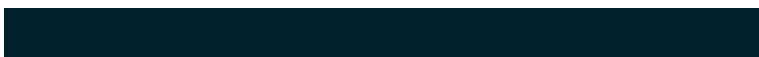
32.0138, 0.2441, 0.2402



13.5703, 0.2982, 0.3232



18.6730, 0.2024, 0.2485



1.2519, 0.2067, 0.2640

Inverse Universe

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



34.0468, 0.3382, 0.2524



43.3686, 0.3454, 0.2371



53.7574, 0.3821, 0.4040



12.5785, 0.3175, 0.3115



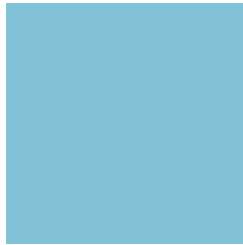
10.2299, 0.3937, 0.1942



0.6297, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 48.1570, 0.2535, 0.3006 looks on a white background.

Color Contrast Check

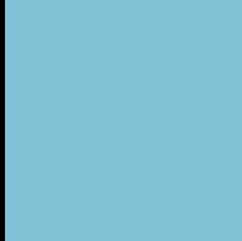
Large Text (above 18pt) WCAG AA × Fail

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 48.1570, 0.2535, 0.3006 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 48.1570, 0.2535, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 48.1570, 0.2535, 0.3006.



This preview shows how white text looks on a background with the Yxy color 48.1570, 0.2535, 0.3006.

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

48.1570, 0.2535, 0.3006

Protanopia

47.6642, 0.2921, 0.2975

Deuteranopia

47.6164, 0.2881, 0.2812



Tritanopia

48.2726, 0.2559, 0.3084

Trichromacy



Original Color

48.1570, 0.2535, 0.3006

Protanomaly

47.3480, 0.2760, 0.2977

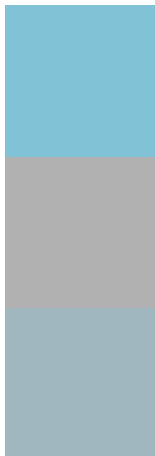
Deuteranomaly

47.2901, 0.2741, 0.2868

Tritanomaly

48.3729, 0.2548, 0.3058

Monochromacy



Original Color

48.1570, 0.2535, 0.3006

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.1021, 0.2880, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1570, 0.2535, 0.3006 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(129, 194, 215)` looks like.

```
.text, #text, p{  
    color:rgb(129, 194, 215)  
}
```

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(129, 194, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 194, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.1570, 0.2535, 0.3006 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(129, 194, 215) }
```

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

```
.border{ border-color:rgb(129, 194, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 194, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 194, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 194, 215);  
box-shadow:4px 4px 4px 4px rgb(129, 194,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1570, 0.2535, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 194, 215) }
```

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

```
.background{ background-color: rgb(129,  
194, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor