

Converting Colors

$Y_{xy}(49.3714, 0.2523, 0.3021)$

Have a look what the booklet for
Yxy(49.3714, 0.2523, 0.3021)
contains.

Yxy(49.5315, 0.2525, 0.3021)	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(49.5315, 0.2525, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	80C5D9
RGB	128, 197, 217
RGB Percent	50%, 77%, 85%
CMY	0.4978, 0.2275, 0.1490
CMYK	0.41, 0.09, 0.00, 0.15
HSL	193°, 54%, 68%
HSV	193°, 41%, 85%
XYZ	41.3992, 49.5315, 73.0266
YIQ	178.6490, -47.5440, -8.4080

Conversions

Conversions Part 2

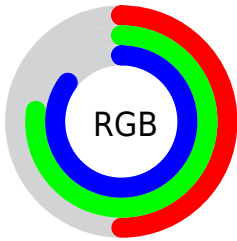
Format	Color
RYB	128, 167, 217
Decimal	8439257
CIELab	75.78, -16.59, -16.82
CIELCh	76, 23.630, 225.395
Yxy	49.5315, 0.2525, 0.3021
Android (android.graphics.Color)	4286629337 (0xFF80C5D9)
YUV	178.6490, 18.9070, -44.4192
Hunter-Lab	70.3786, -18.1625, -12.2557

Details

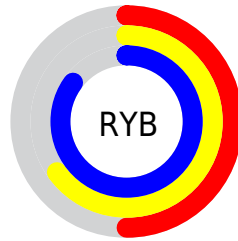
The Yxy color **49.5315, 0.2525, 0.3021** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5141, 0.4066, 0.3538**, and the grayscale version is **44.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2940, 0.2720, 0.3278**, and **23.6313, 0.2366, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **45.8445, 0.2400, 0.2943**, and if you desaturate by 10%, it is **53.6541, 0.2662, 0.3095**.

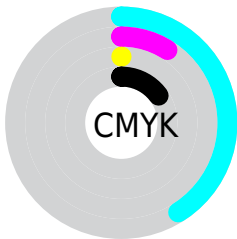
Distribution



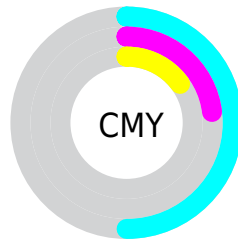
- Red (50%)
- Green (77%)
- Blue (85%)



- Red (50%)
- Yellow (65%)
- Blue (85%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)





- Cyan (50%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5315, 0.2525, 0.3021 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 49.5315, 0.2525, 0.3021 by changing the saturation by 10% instead.

 49.5315, 0.2525,
0.3021


 49.5315, 0.2525,
0.3021


384.8310, 0.2816,
0.3159


 35.0413, 0.2456,
0.2986


 89.4803, 0.2628,
0.3072

 23.6947, 0.2368,
0.2940


 115.7078, 0.2668,
0.3091

 15.1073, 0.2256,
0.2878

 146.6163, 0.2702,
0.3107

 8.8947, 0.2105,
0.2792

182.5905, 0.2731,
0.3121

 4.6726, 0.1894,
0.2663

224.0147, 0.2756,
0.3132

 2.0565, 0.1583,
0.2453

271.2732, 0.2779,

 0.6400, 0.0670,

0.3142

0.2111

324.7505, 0.2798,
0.3151

0.0000, 0.0000,
0.0000

49.5315, 0.2525,
0.3021

49.5315, 0.2525,
0.3021

45.8445, 0.2400,
0.2943

53.6541, 0.2662,
0.3095

42.5634, 0.2291,
0.2863

58.2281, 0.2807,
0.3163

39.6637, 0.2199,
0.2780

63.2758, 0.2958,
0.3227

37.1151, 0.2126,
0.2696

68.8158, 0.3112,
0.3285

34.8816, 0.2073,
0.2613

74.8658, 0.3265,
0.3337

■ 33.0830, 0.2039,
0.2539

■ 80.8187, 0.3393,
0.3384

■ 83.5164, 0.3386,
0.3432

■ 86.2902, 0.3379,
0.3480

■ 89.1410, 0.3372,
0.3527

Harmonies

Analogous

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



49.5315, 0.2635, 0.3312



49.5315, 0.2525, 0.3021



49.5315, 0.2565, 0.2824

Triad

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



49.5315, 0.2525, 0.3021



49.5315, 0.3367, 0.2993



49.5315, 0.3499, 0.3863

Complementary

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



49.5315, 0.2525, 0.3021



37.5141, 0.4066, 0.3538

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.



49.5315, 0.3715, 0.3737



49.5315, 0.2525, 0.3021



49.5315, 0.3640, 0.3238

Square

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



49.5315, 0.2525, 0.3021



49.5315, 0.3038, 0.2820



49.5315, 0.3769, 0.3506



49.5315, 0.3190, 0.3824

Rectangle

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



49.5315, 0.2525, 0.3021



49.5315, 0.2672, 0.2765



49.5315, 0.3769, 0.3506



49.5315, 0.3586, 0.3837

Sweetspot

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



49.5334, 0.2525, 0.3021



90.3372, 0.2941, 0.3220



56.3389, 0.2958, 0.4271



19.1243, 0.2921, 0.3212



0.0000, 0.0000, 0.0000



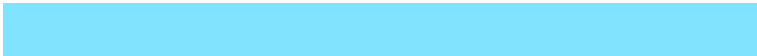
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5334, 0.2525, 0.3021



66.8472, 0.2419, 0.2956



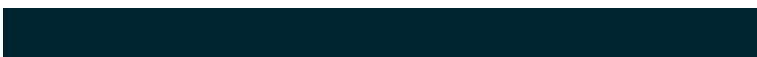
32.4714, 0.2425, 0.2396



14.3067, 0.2982, 0.3236



20.1905, 0.2042, 0.2551



1.4326, 0.2079, 0.2686

Inverse Universe

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



34.2370, 0.3373, 0.2487



42.7785, 0.3440, 0.2333



53.9255, 0.3847, 0.4043



13.2221, 0.3172, 0.3111



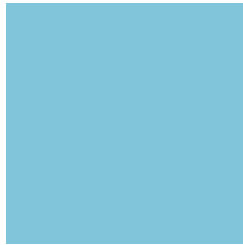
10.6620, 0.3871, 0.1906



0.7033, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 49.5315, 0.2525, 0.3021 looks on a white background.

Color Contrast Check

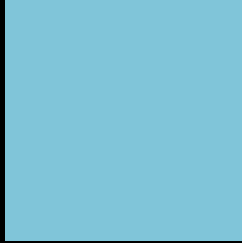
Large Text (above 18pt) WCAG AA × Fail

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 49.5315, 0.2525, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

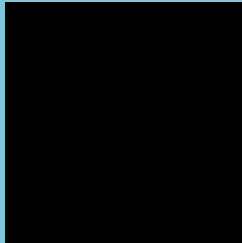
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5315, 0.2525, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 49.5315, 0.2525, 0.3021.



This preview shows how white text looks on a background with the Yxy color 49.5315, 0.2525, 0.3021.

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

49.5315, 0.2525, 0.3021

Protanopia

49.2465, 0.2924, 0.2990

Deuteranopia

49.1880, 0.2883, 0.2829



Tritanopia

49.7043, 0.2543, 0.3086

Trichromacy



Original Color

49.5315, 0.2525, 0.3021

Protanomaly

48.8300, 0.2757, 0.2993

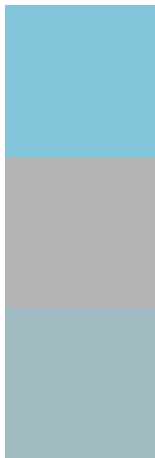
Deuteranomaly

48.7621, 0.2738, 0.2885

Tritanomaly

49.7552, 0.2538, 0.3073

Monochromacy



Original Color

49.5315, 0.2525, 0.3021

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4416, 0.2868, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5315, 0.2525, 0.3021 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(128, 197, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 197, 217)  
}
```

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(128, 197, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 197, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.5315, 0.2525, 0.3021 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(128, 197, 217) }
```

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

```
.border{ border-color:rgb(128, 197, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 197, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 197, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 197, 217); box-shadow:4px 4px 4px 4px rgb(128, 197, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5315, 0.2525, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 197, 217) }
```

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

```
.background{ background-color: rgb(128,  
197, 217) }
```

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