

Converting Colors

$Yxy(49.8834, 0.2719, 0.3132)$

Have a look what the booklet for
Yxy(49.8834, 0.2719, 0.3132)
contains.

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Color

Yxy(50.0192, 0.2714, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	96C3CF
RGB	150, 195, 207
RGB Percent	59%, 76%, 81%
CMY	0.4116, 0.2353, 0.1884
CMYK	0.28, 0.06, 0.00, 0.19
HSL	193°, 37%, 70%
HSV	193°, 28%, 81%
XYZ	43.3574, 50.0192, 66.3781
YIQ	182.9130, -30.6720, -5.8080

Conversions

Conversions Part 2

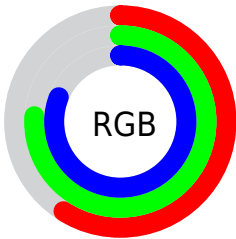
Format	Color
RYB	150, 175, 207
Decimal	9880527
CIELab	76.08, -12.00, -10.82
CIElCh	76, 16.163, 222.041
Yxy	50.0192, 0.2714, 0.3131
Android (android.graphics.Color)	4288070607 (0xFF96C3CF)
YUV	182.9130, 11.8749, -28.8647
Hunter-Lab	70.7243, -14.3382, -6.1395

Details

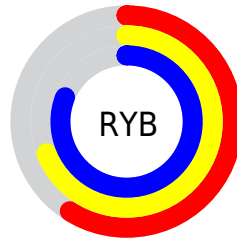
The Yxy color **50.0192, 0.2714, 0.3131** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3084, 0.3680, 0.3443**, and the grayscale version is **47.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8199, 0.2831, 0.3258**, and **23.8910, 0.2598, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **46.3058, 0.2575, 0.3064**, and if you desaturate by 10%, it is **54.1402, 0.2861, 0.3193**.

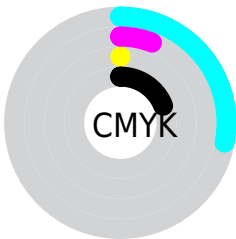
Distribution



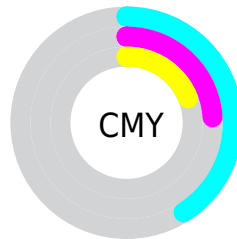
- Red (59%)
- Green (76%)
- Blue (81%)



- Red (59%)
- Yellow (69%)
- Blue (81%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0192, 0.2714, 0.3131 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 50.0192, 0.2714, 0.3131 by changing the saturation by 10% instead.

■ 50.0192, 0.2714,
0.3131

■ 50.0192, 0.2714,
0.3131

■ 386.7410, 0.2915,
0.3212

■ 35.4287, 0.2665,
0.3110

■ 90.2033, 0.2786,
0.3161

■ 23.9933, 0.2604,
0.3083

■ 116.5657, 0.2813,
0.3172

■ 15.3286, 0.2524,
0.3047

■ 147.6208, 0.2837,
0.3181

■ 9.0503, 0.2415,
0.2996

■ 183.7530, 0.2857,
0.3189

■ 4.7740, 0.2259,
0.2918

■ 225.3467, 0.2874,
0.3196

■ 2.1153, 0.2019,
0.2789

■ 272.7864, 0.2890,

■ 0.6732, 0.1328,

0.3202

0.2578

326.4564, 0.2903,
0.3208

0.0000, 0.0000,
0.0000

50.0192, 0.2714,
0.3131

50.0192, 0.2714,
0.3131

46.3058, 0.2575,
0.3064

54.1402, 0.2861,
0.3193

42.9753, 0.2448,
0.2993

58.6802, 0.3012,
0.3251

40.0094, 0.2335,
0.2919

63.6574, 0.3166,
0.3303

37.3853, 0.2238,
0.2843

69.0873, 0.3318,
0.3349

35.0778, 0.2161,
0.2766

74.9842, 0.3469,
0.3391

■ 33.0570, 0.2103,
0.2689

■ 77.5319, 0.3472,
0.3434

■ 31.2816, 0.2063,
0.2613

■ 79.8609, 0.3464,
0.3478

■ 30.8594, 0.2054,
0.2594

■ 82.2500, 0.3456,
0.3521

■ 84.6994, 0.3448,
0.3563

Harmonies

Analogous

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



50.0192, 0.2804, 0.3332



50.0192, 0.2714, 0.3131



50.0192, 0.2730, 0.2983

Triad

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



50.0192, 0.2714, 0.3131



50.0192, 0.3268, 0.3068



50.0192, 0.3404, 0.3675

Complementary

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



50.0192, 0.2714, 0.3131



41.3084, 0.3680, 0.3443

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.



50.0192, 0.3538, 0.3586



50.0192, 0.2714, 0.3131



50.0192, 0.3459, 0.3237

Square

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



50.0192, 0.2714, 0.3131



50.0192, 0.3044, 0.2954



50.0192, 0.3559, 0.3424



50.0192, 0.3199, 0.3656

Rectangle

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



50.0192, 0.2714, 0.3131



50.0192, 0.2799, 0.2932



50.0192, 0.3559, 0.3424



50.0192, 0.3459, 0.3656

Sweetspot

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



50.0212, 0.2714, 0.3131



93.6282, 0.3003, 0.3247



53.6856, 0.3016, 0.3914



19.7949, 0.2980, 0.3239



0.0000, 0.0000, 0.0000



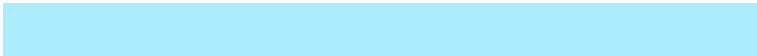
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0212, 0.2714, 0.3131



76.6085, 0.2631, 0.3092



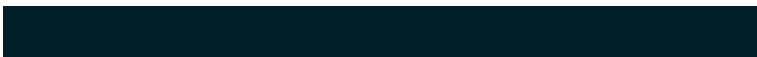
38.6732, 0.2676, 0.2746



12.9675, 0.2983, 0.3240



19.5909, 0.2057, 0.2604



1.2038, 0.2096, 0.2744

Inverse Universe

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



39.0273, 0.3268, 0.2744



56.4617, 0.3306, 0.2625



52.2428, 0.3590, 0.3780



11.9647, 0.3169, 0.3108



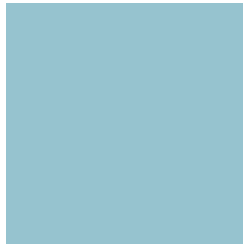
10.0490, 0.3820, 0.1878



0.5728, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 50.0192, 0.2714, 0.3131 looks on a white background.

Color Contrast Check

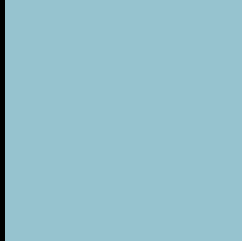
Large Text (above 18pt) WCAG AA × Fail

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 50.0192, 0.2714, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

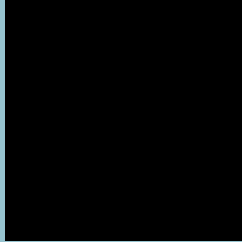
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

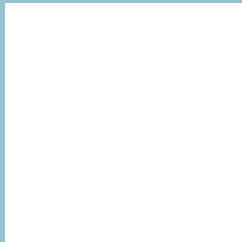
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0192, 0.2714, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 50.0192, 0.2714, 0.3131.

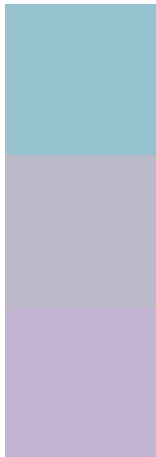


This preview shows how white text looks on a background with the Yxy color 50.0192, 0.2714, 0.3131.

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

50.0192, 0.2714, 0.3131

Protanopia

49.7740, 0.3014, 0.3102

Deuteranopia

49.7111, 0.3019, 0.2951



Tritanopia

50.2627, 0.2702, 0.3092

Trichromacy



Original Color

50.0192, 0.2714, 0.3131

Protanomaly

49.5912, 0.2898, 0.3110

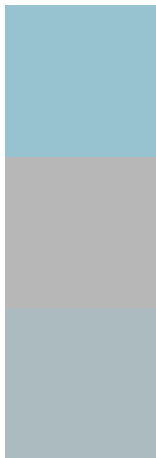
Deuteranomaly

49.7278, 0.2901, 0.3014

Tritanomaly

50.2130, 0.2708, 0.3105

Monochromacy



Original Color

50.0192, 0.2714, 0.3131

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0043, 0.2960, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0192, 0.2714, 0.3131 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(150, 195, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 195, 207)  
}
```

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(150, 195, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 195, 207) }
```

Border

The CSS property to change the border of an element to Yxy 50.0192, 0.2714, 0.3131 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(150, 195, 207) }
```

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

```
.border{ border-color:rgb(150, 195, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 195, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 195, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 195, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 195,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0192, 0.2714, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 195, 207) }
```

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

```
.background{ background-color: rgb(150,  
195, 207) }
```

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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