

Converting Colors

$Y_{xy}(50.3780, 0.2733, 0.3159)$

Have a look what the booklet for
Yxy(50.3780, 0.2733, 0.3159)
contains.

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Color

Yxy(50.5154, 0.2728, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	97C4CE
RGB	151, 196, 206
RGB Percent	59%, 77%, 81%
CMY	0.4076, 0.2314, 0.1921
CMYK	0.27, 0.05, 0.00, 0.19
HSL	191°, 36%, 70%
HSV	191°, 27%, 81%
XYZ	43.6509, 50.5154, 65.8444
YIQ	183.6850, -30.0300, -6.4300

Conversions

Conversions Part 2

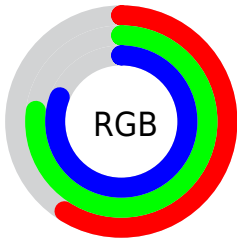
Format	Color
R _Y B	151, 176, 206
Decimal	9946318
CIE Lab	76.38, -12.45, -9.84
CIE LCh	76, 15.868, 218.345
Yxy	50.5154, 0.2728, 0.3157
Android (android.graphics.Color)	4288136398 (0xFF97C4CE)
YUV	183.6850, 11.0013, -28.6647
Hunter-Lab	71.0742, -14.7522, -5.1754

Details

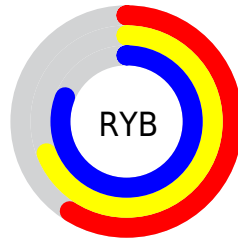
The Yxy color **50.5154, 0.2728, 0.3157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8732, 0.3664, 0.3419**, and the grayscale version is **47.7075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5924, 0.2837, 0.3268**, and **24.2097, 0.2616, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **47.0423, 0.2591, 0.3100**, and if you desaturate by 10%, it is **54.3794, 0.2874, 0.3210**.

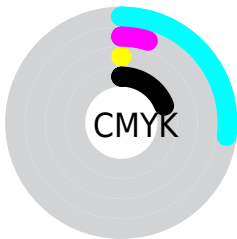
Distribution



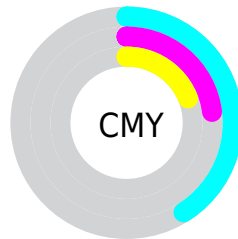
- Red (59%)
- Green (77%)
- Blue (81%)



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



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)





- Cyan (41%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5154, 0.2728, 0.3157 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 50.5154, 0.2728, 0.3157 by changing the saturation by 10% instead.


 50.5154, 0.2728,
0.3157

 50.5154, 0.2728,
0.3157


388.6781, 0.2922,
0.3225

 35.8231, 0.2681,
0.3139


 90.9380, 0.2797,
0.3182

 24.2976, 0.2622,
0.3117


 117.4372, 0.2824,
0.3192

 15.5545, 0.2544,
0.3086


148.6407, 0.2846,
0.3199

 9.2095, 0.2439,
0.3042

184.9330, 0.2866,
0.3206

 4.8781, 0.2289,
0.2976

226.6985, 0.2883,
0.3212

 2.1759, 0.2058,
0.2865

274.3216, 0.2897,

 0.7068, 0.1404,

0.3217

0.2696

328.1866, 0.2911,
0.3221

0.0000, 0.0000,
0.0000

50.5154, 0.2728,
0.3157

50.5154, 0.2728,
0.3157

47.0423, 0.2591,
0.3100

54.3794, 0.2874,
0.3210

43.9358, 0.2465,
0.3039

58.6450, 0.3025,
0.3260

41.1780, 0.2354,
0.2976

63.3302, 0.3178,
0.3304

38.7470, 0.2260,
0.2911

68.4499, 0.3332,
0.3345

36.6182, 0.2185,
0.2845

74.0183, 0.3484,
0.3381

■ 34.7626, 0.2129,
0.2779

■ 76.1272, 0.3484,
0.3418

■ 33.1429, 0.2092,
0.2714

■ 78.1024, 0.3477,
0.3456

■ 32.6336, 0.2081,
0.2692

■ 80.1221, 0.3470,
0.3493

■ 82.1864, 0.3463,
0.3530

Harmonies

Analogous

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



50.5154, 0.2828, 0.3357



50.5154, 0.2728, 0.3157



50.5154, 0.2731, 0.3004

Triad

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



50.5154, 0.2728, 0.3157



50.5154, 0.3238, 0.3055



50.5154, 0.3419, 0.3661

Complementary

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



50.5154, 0.2728, 0.3157



40.8732, 0.3664, 0.3419

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.



50.5154, 0.3538, 0.3563



50.5154, 0.2728, 0.3157



50.5154, 0.3432, 0.3216

Square

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



50.5154, 0.2728, 0.3157



50.5154, 0.3019, 0.2952



50.5154, 0.3544, 0.3400



50.5154, 0.3224, 0.3657

Rectangle

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



50.5154, 0.2728, 0.3157



50.5154, 0.2790, 0.2946



50.5154, 0.3544, 0.3400



50.5154, 0.3470, 0.3638

Sweetspot

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



50.5174, 0.2728, 0.3157



93.9852, 0.3003, 0.3253



53.2753, 0.3031, 0.3919



19.8853, 0.2980, 0.3246



0.0000, 0.0000, 0.0000



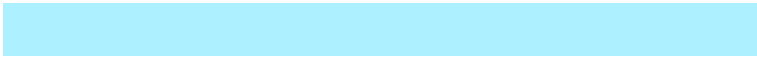
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5174, 0.2728, 0.3157



78.5467, 0.2648, 0.3125



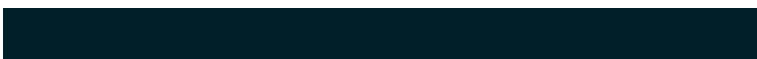
39.5564, 0.2693, 0.2791



12.3658, 0.2983, 0.3247



20.2246, 0.2084, 0.2702



1.1362, 0.2119, 0.2829

Inverse Universe

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



39.2595, 0.3249, 0.2743



57.5998, 0.3281, 0.2624



51.1924, 0.3580, 0.3743



11.3673, 0.3165, 0.3103



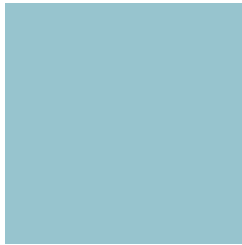
9.8447, 0.3727, 0.1827



0.5172, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 50.5154, 0.2728, 0.3157 looks on a white background.

Color Contrast Check

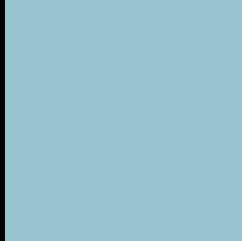
Large Text (above 18pt) WCAG AA × Fail

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 50.5154, 0.2728, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

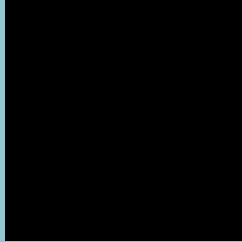
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

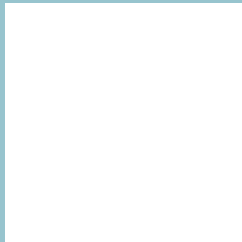
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5154, 0.2728, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 50.5154, 0.2728, 0.3157.

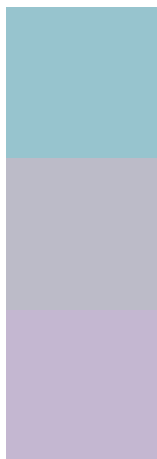


This preview shows how white text looks on a background with the Yxy color 50.5154, 0.2728, 0.3157.

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

50.5154, 0.2728, 0.3157

Protanopia

50.4021, 0.3037, 0.3128

Deuteranopia

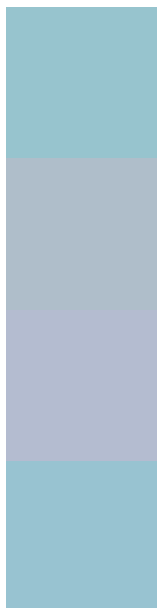
50.2062, 0.3035, 0.2976



Tritanopia

50.4088, 0.2702, 0.3080

Trichromacy



Original Color

50.5154, 0.2728, 0.3157

Protanomaly

50.2051, 0.2921, 0.3137

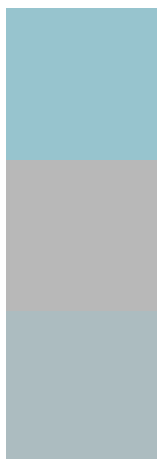
Deuteranomaly

50.2238, 0.2916, 0.3039

Tritanomaly

50.3091, 0.2714, 0.3106

Monochromacy



Original Color

50.5154, 0.2728, 0.3157

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.5429, 0.2968, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5154, 0.2728, 0.3157 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(151, 196, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 206)  
}
```

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(151, 196, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 206) }
```

Border

The CSS property to change the border of an element to Yxy 50.5154, 0.2728, 0.3157 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(151, 196, 206) }
```

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

```
.border{ border-color:rgb(151, 196, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 196, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 196, 206); box-shadow:4px 4px 4px 4px rgb(151, 196, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5154, 0.2728, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 206) }
```

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

```
.background{ background-color: rgb(151,  
196, 206) }
```

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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