

Converting Colors

$Y_{xy}(51.8130, 0.2731, 0.3118)$

Have a look what the booklet for
Yxy(51.8130, 0.2731, 0.3118)
contains.

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Color

Yxy(51.7036, 0.2731, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	9CC5D3
RGB	156, 197, 211
RGB Percent	61%, 77%, 83%
CMY	0.3883, 0.2274, 0.1725
CMYK	0.26, 0.07, 0.00, 0.17
HSL	195°, 38%, 72%
HSV	195°, 26%, 83%
XYZ	45.4320, 51.7036, 69.2209
YIQ	186.3370, -28.9300, -4.3380

Conversions

Conversions Part 2

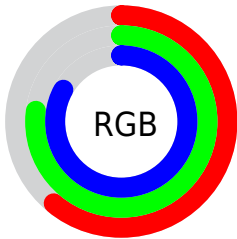
Format	Color
RYB	156, 179, 211
Decimal	10274259
CIELab	77.10, -10.37, -11.45
CIELCh	77, 15.444, 227.840
Yxy	51.7036, 0.2731, 0.3108
Android (android.graphics.Color)	4288464339 (0xFF9CC5D3)
YUV	186.3370, 12.1589, -26.6055
Hunter-Lab	71.9052, -13.0523, -6.7430

Details

The Yxy color **51.7036, 0.2731, 0.3108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9930, 0.3637, 0.3465**, and the grayscale version is **49.2433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1007, 0.2871, 0.3279**, and **24.9288, 0.2628, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **47.3852, 0.2587, 0.3027**, and if you desaturate by 10%, it is **56.4787, 0.2881, 0.3183**.

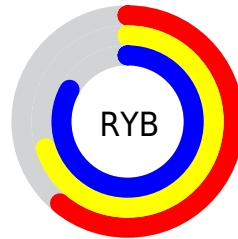
Distribution



Red (61%)

Green (77%)

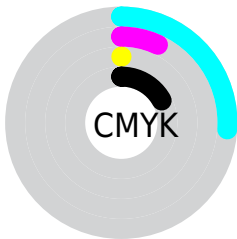
Blue (83%)



Red (61%)

Yellow (70%)

Blue (83%)

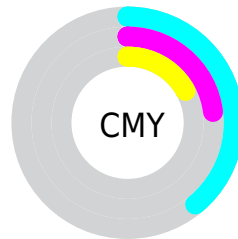


Cyan (26%)

Magenta (7%)

Yellow (0%)

Black (17%)



Cyan (39%)


Magenta (23%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7036, 0.2731, 0.3108 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 51.7036, 0.2731, 0.3108 by changing the saturation by 10% instead.


 51.7036, 0.2731,
0.3108


 51.7036, 0.2731,
0.3108


393.2913, 0.2923,
0.3200

 36.7689, 0.2685,
0.3085


 92.6940, 0.2799,
0.3141

 25.0286, 0.2627,
0.3055


 119.5184, 0.2826,
0.3154

 16.0984, 0.2551,
0.3016


151.0748, 0.2848,
0.3165

 9.5938, 0.2449,
0.2961

187.7477, 0.2867,
0.3174

 5.1305, 0.2303,
0.2879

229.9214, 0.2884,
0.3182

 2.3240, 0.2081,
0.2746

277.9803, 0.2898,

 0.7864, 0.1586,

0.3188

0.2523

332.3088, 0.2911,
0.3194

0.0000, 0.0000,
0.0000

51.7036, 0.2731,
0.3108

51.7036, 0.2731,
0.3108

47.3852, 0.2587,
0.3027

56.4787, 0.2881,
0.3183

43.4974, 0.2453,
0.2941

61.7227, 0.3034,
0.3252

40.0208, 0.2332,
0.2850

67.4549, 0.3187,
0.3314

36.9318, 0.2227,
0.2757

73.6916, 0.3339,
0.3369

34.2036, 0.2140,
0.2662

79.1978, 0.3439,
0.3420

■ 31.8053, 0.2073,
0.2567

■ 82.1274, 0.3429,
0.3474

■ 29.6986, 0.2026,
0.2472

■ 85.1489, 0.3421,
0.3526

■ 28.9252, 0.2010,
0.2436

■ 88.2632, 0.3412,
0.3578

■ 91.4711, 0.3403,
0.3630

Harmonies

Analogous

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



51.7036, 0.2797, 0.3292



51.7036, 0.2731, 0.3108



51.7036, 0.2766, 0.2982

Triad

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



51.7036, 0.2731, 0.3108



51.7036, 0.3299, 0.3107



51.7036, 0.3356, 0.3658

Complementary

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



51.7036, 0.2731, 0.3108



44.9930, 0.3637, 0.3465

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.



51.7036, 0.3499, 0.3593



51.7036, 0.2731, 0.3108



51.7036, 0.3467, 0.3274

Square

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



51.7036, 0.2731, 0.3108



51.7036, 0.3089, 0.2987



51.7036, 0.3540, 0.3450



51.7036, 0.3154, 0.3620

Rectangle

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



51.7036, 0.2731, 0.3108



51.7036, 0.2843, 0.2944



51.7036, 0.3540, 0.3450



51.7036, 0.3412, 0.3647

Sweetspot

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



51.7057, 0.2731, 0.3108



93.0667, 0.3003, 0.3238



56.5529, 0.3004, 0.3840



19.6527, 0.2980, 0.3228



0.0000, 0.0000, 0.0000



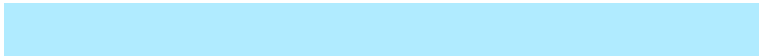
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7057, 0.2731, 0.3108



75.7948, 0.2655, 0.3066



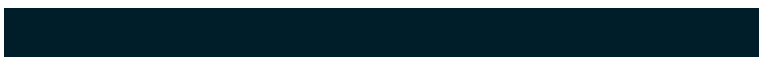
40.4201, 0.2697, 0.2739



12.8764, 0.2983, 0.3229



17.6257, 0.2014, 0.2450



1.1085, 0.2062, 0.2622

Inverse Universe

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



41.6517, 0.3282, 0.2800



58.2825, 0.3321, 0.2698



56.2983, 0.3557, 0.3786



11.9555, 0.3176, 0.3118



9.8506, 0.3973, 0.1962



0.5632, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 51.7036, 0.2731, 0.3108 looks on a white background.

Color Contrast Check

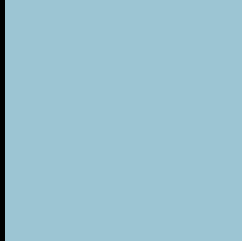
Large Text (above 18pt) WCAG AA × Fail

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 51.7036, 0.2731, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

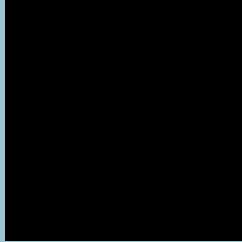
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

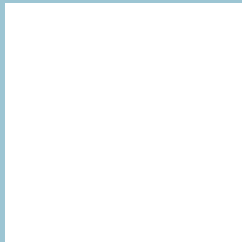
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7036, 0.2731, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 51.7036, 0.2731, 0.3108.



This preview shows how white text looks on a background with the Yxy color 51.7036, 0.2731, 0.3108.

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

51.7036, 0.2731, 0.3108

Protanopia

51.6702, 0.3001, 0.3081

Deuteranopia

51.4233, 0.3006, 0.2943



Tritanopia

51.8045, 0.2719, 0.3083

Trichromacy



Original Color

51.7036, 0.2731, 0.3108

Protanomaly

51.6005, 0.2895, 0.3089

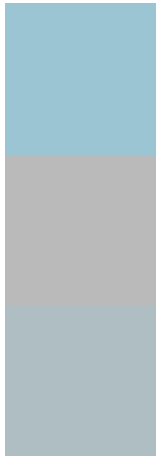
Deuteranomaly

51.1444, 0.2897, 0.2993

Tritanomaly

51.7539, 0.2725, 0.3096

Monochromacy



Original Color

51.7036, 0.2731, 0.3108

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.8810, 0.2971, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7036, 0.2731, 0.3108 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(156, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(156, 197, 211)  
}
```

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(156, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 211) }
```

Border

The CSS property to change the border of an element to Yxy 51.7036, 0.2731, 0.3108 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(156, 197, 211) }
```

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

```
.border{ border-color:rgb(156, 197, 211) }
```

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

Here you see how a box with a 4 pixel rgb(156, 197, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(156, 197,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7036, 0.2731, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 197, 211) }
```

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

```
.background{ background-color: rgb(156,  
197, 211) }
```

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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