

Converting Colors

$Yxy(51.0079, 0.2771, 0.3061)$

Have a look what the booklet for
Yxy(51.0079, 0.2771, 0.3061)
contains.

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Color

Yxy(51.1236, 0.2769, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	A3C2D4
RGB	163, 194, 212
RGB Percent	64%, 76%, 83%
CMY	0.3609, 0.2392, 0.1686
CMYK	0.23, 0.08, 0.00, 0.17
HSL	202°, 36%, 74%
HSV	202°, 23%, 83%
XYZ	46.2770, 51.1236, 69.7246
YIQ	186.7830, -24.2540, -0.9740

Conversions

Conversions Part 2

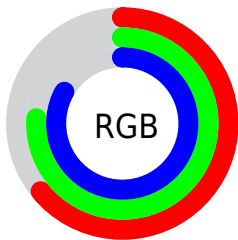
Format	Color
RYB	163, 182, 212
Decimal	10732244
CIELab	76.75, -6.45, -12.47
CIELCh	77, 14.037, 242.640
Yxy	51.1236, 0.2769, 0.3059
Android (android.graphics.Color)	4288922324 (0xFFA3C2D4)
YUV	186.7830, 12.4320, -20.8577
Hunter-Lab	71.5008, -9.5970, -7.7667

Details

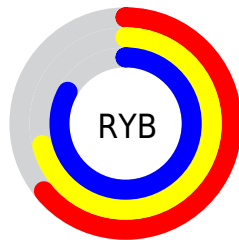
The Yxy color **51.1236, 0.2769, 0.3059** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6827, 0.3553, 0.3510**, and the grayscale version is **49.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6513, 0.2910, 0.3239**, and **24.5055, 0.2674, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **45.6975, 0.2615, 0.2943**, and if you desaturate by 10%, it is **57.1106, 0.2925, 0.3165**.

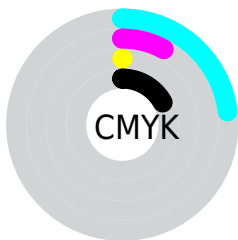
Distribution



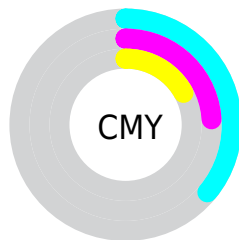
- Red (64%)
- Green (76%)
- Blue (83%)



- Red (64%)
- Yellow (71%)
- Blue (83%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1236, 0.2769, 0.3059 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 51.1236, 0.2769, 0.3059 by changing the saturation by 10% instead.

■ 51.1236, 0.2769,
0.3059

■ 51.1236, 0.2769,
0.3059

■ 391.0438, 0.2943,
0.3174

■ 36.3070, 0.2727,
0.3031

■ 91.8374, 0.2831,
0.3101

■ 24.6714, 0.2674,
0.2994

■ 118.5035, 0.2855,
0.3116

■ 15.8324, 0.2605,
0.2946

■ 149.8881, 0.2875,
0.3130

■ 9.4056, 0.2511,
0.2880

■ 186.3757, 0.2893,
0.3141

■ 5.0067, 0.2376,
0.2782

■ 228.3507, 0.2908,
0.3151

■ 2.2512, 0.2170,
0.2627

■ 276.1974, 0.2921,

■ 0.7477, 0.1739,

0.3160

0.2350

330.3003, 0.2933,
0.3167

0.0000, 0.0000,
0.0000

51.1236, 0.2769,
0.3059

51.1236, 0.2769,
0.3059

45.6975, 0.2615,
0.2943

57.1106, 0.2925,
0.3165

40.8045, 0.2467,
0.2818

63.6722, 0.3079,
0.3262

36.4236, 0.2327,
0.2685

70.8295, 0.3231,
0.3348

32.5297, 0.2201,
0.2547

78.6005, 0.3377,
0.3425

29.0946, 0.2092,
0.2405

84.2530, 0.3417,
0.3500

■ 26.0866, 0.2002,
0.2263

■ 88.7565, 0.3404,
0.3576

■ 23.4676, 0.1934,
0.2123

■ 93.4569, 0.3392,
0.3650

■ 21.8513, 0.1897,
0.2028

■ 97.5342, 0.3382,
0.3711

Harmonies

Analogous

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



51.1236, 0.2784, 0.3206



51.1236, 0.2769, 0.3059



51.1236, 0.2846, 0.2980

Triad

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



51.1236, 0.2769, 0.3059



51.1236, 0.3368, 0.3195



51.1236, 0.3249, 0.3620

Complementary

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



51.1236, 0.2769, 0.3059



49.6827, 0.3553, 0.3510

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.



51.1236, 0.3411, 0.3607



51.1236, 0.2769, 0.3059



51.1236, 0.3482, 0.3357

Square

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



51.1236, 0.2769, 0.3059



51.1236, 0.3189, 0.3060



51.1236, 0.3498, 0.3508



51.1236, 0.3058, 0.3538

Rectangle

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



51.1236, 0.2769, 0.3059



51.1236, 0.2941, 0.2972



51.1236, 0.3498, 0.3508



51.1236, 0.3309, 0.3626

Sweetspot

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



51.1257, 0.2769, 0.3059



92.6598, 0.3019, 0.3225



58.2124, 0.2980, 0.3693



19.7020, 0.3009, 0.3219



0.0000, 0.0000, 0.0000



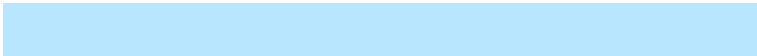
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1257, 0.2769, 0.3059



73.2803, 0.2689, 0.3000



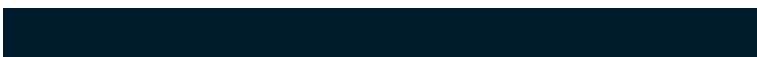
41.1058, 0.2743, 0.2733



13.3055, 0.2982, 0.3202



13.6849, 0.1902, 0.2048



0.9809, 0.1969, 0.2287

Inverse Universe

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



44.0804, 0.3311, 0.2920



61.0201, 0.3362, 0.2833



60.5332, 0.3490, 0.3792



12.5517, 0.3193, 0.3144



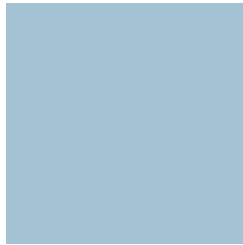
9.7263, 0.4399, 0.2197



0.6023, 0.4140, 0.2054

Previews

White Background



This preview shows how the Yxy color 51.1236, 0.2769, 0.3059 looks on a white background.

Color Contrast Check

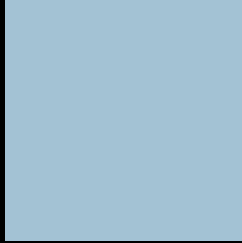
Large Text (above 18pt) WCAG AA × Fail

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 51.1236, 0.2769, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

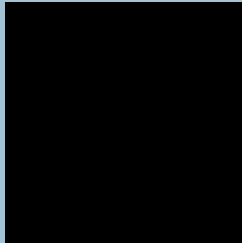
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

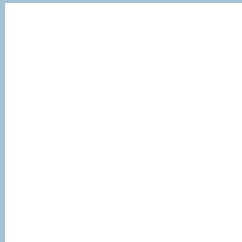
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1236, 0.2769, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 51.1236, 0.2769, 0.3059.



This preview shows how white text looks on a background with the Yxy color 51.1236, 0.2769, 0.3059.

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

51.1236, 0.2769, 0.3059

Protanopia

51.0853, 0.2971, 0.3043

Deuteranopia

50.8718, 0.2998, 0.2930



Tritanopia

51.0232, 0.2782, 0.3084

Trichromacy



Original Color

51.1236, 0.2769, 0.3059

Protanomaly

50.8953, 0.2895, 0.3052

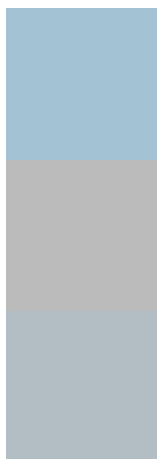
Deuteranomaly

50.9609, 0.2912, 0.2982

Tritanomaly

51.0733, 0.2776, 0.3072

Monochromacy



Original Color

51.1236, 0.2769, 0.3059

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.2774, 0.2987, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1236, 0.2769, 0.3059 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(163, 194, 212)` looks like.

```
.text, #text, p{  
    color:rgb(163, 194, 212)  
}
```

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(163, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 194, 212) }
```

Border

The CSS property to change the border of an element to Yxy 51.1236, 0.2769, 0.3059 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(163, 194, 212) }
```

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

```
.border{ border-color:rgb(163, 194, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 194, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(163, 194,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1236, 0.2769, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 194, 212) }
```

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

```
.background{ background-color: rgb(163,  
194, 212) }
```

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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