

Converting Colors

Yxy(51.3328, 0.2817, 0.3039)

Have a look what the booklet for
Yxy(51.3328, 0.2817, 0.3039)
contains.

Yxy(51.4394, 0.2818, 0.3049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.4394, 0.2818, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	AAC1D4
RGB	170, 193, 212
RGB Percent	67%, 76%, 83%
CMY	0.3331, 0.2432, 0.1685
CMYK	0.20, 0.09, 0.00, 0.17
HSL	207°, 33%, 75%
HSV	207°, 20%, 83%
XYZ	47.5422, 51.4394, 69.7275
YIQ	188.2890, -19.8070, 1.0330

Conversions

Conversions Part 2

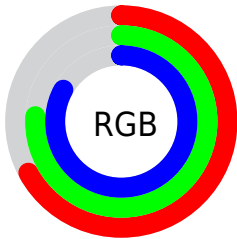
Format	Color
RYB	170, 185, 212
Decimal	11190740
CIELab	76.94, -3.72, -12.14
CIELCh	77, 12.698, 252.964
Yxy	51.4394, 0.2818, 0.3049
Android (android.graphics.Color)	4289380820 (0xFFAAC1D4)
YUV	188.2890, 11.6895, -16.0395
Hunter-Lab	71.7213, -7.1891, -7.4369

Details

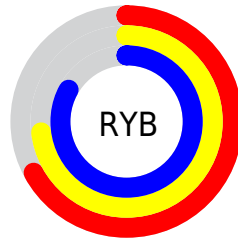
The Yxy color **51.4394, 0.2818, 0.3049** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.3412, 0.3473, 0.3520**, and the grayscale version is **50.4095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1401, 0.2951, 0.3229**, and **24.9724, 0.2737, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **45.1502, 0.2658, 0.2908**, and if you desaturate by 10%, it is **58.3905, 0.2976, 0.3177**.

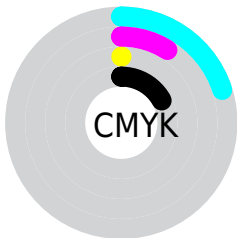
Distribution



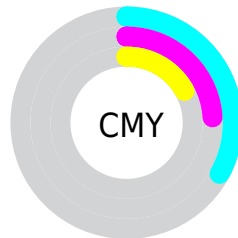
- Red (67%)
- Green (76%)
- Blue (83%)



- Red (67%)
- Yellow (73%)
- Blue (83%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (33%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4394, 0.2818, 0.3049 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 51.4394, 0.2818, 0.3049 by changing the saturation by 10% instead.

■ 51.4394, 0.2818,
0.3049

■ 51.4394, 0.2818,
0.3049

392.2685, 0.2969,
0.3168

■ 36.5584, 0.2782,
0.3020

■ 92.3039, 0.2872,
0.3092

■ 24.8658, 0.2735,
0.2983

119.0563, 0.2892,
0.3108

■ 15.9771, 0.2675,
0.2934

150.5346, 0.2910,
0.3122

■ 9.5079, 0.2594,
0.2867

187.1232, 0.2925,
0.3134

■ 5.0739, 0.2476,
0.2769

229.2065, 0.2938,
0.3144

■ 2.2907, 0.2295,
0.2615

277.1689, 0.2949,

■ 0.7688, 0.1945,

0.3153

0.2337

331.3948, 0.2960,
0.3161

0.0000, 0.0000,
0.0000

51.4394, 0.2818,
0.3049

51.4394, 0.2818,
0.3049

45.1502, 0.2658,
0.2908

58.3905, 0.2976,
0.3177

39.4932, 0.2499,
0.2755

66.0192, 0.3130,
0.3292

34.4453, 0.2346,
0.2591

74.3487, 0.3278,
0.3395

29.9795, 0.2203,
0.2419

83.3987, 0.3418,
0.3485

26.0659, 0.2074,
0.2242

88.9712, 0.3403,
0.3579

■ 22.6712, 0.1965,
0.2065

■ 94.8189, 0.3388,
0.3670

■ 19.7568, 0.1879,
0.1891

■ 97.5348, 0.3381,
0.3710

■ 17.2586, 0.1813,
0.1724

■ 17.2106, 0.1812,
0.1721

Harmonies

Analogous

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



51.4394, 0.2803, 0.3164



51.4394, 0.2818, 0.3049



51.4394, 0.2914, 0.3001

Triad

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



51.4394, 0.2818, 0.3049



51.4394, 0.3388, 0.3254



51.4394, 0.3179, 0.3571

Complementary

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



51.4394, 0.2818, 0.3049



53.3412, 0.3473, 0.3520

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.



51.4394, 0.3339, 0.3589



51.4394, 0.2818, 0.3049



51.4394, 0.3463, 0.3401

Square

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



51.4394, 0.2818, 0.3049



51.4394, 0.3242, 0.3119



51.4394, 0.3445, 0.3525



51.4394, 0.3008, 0.3471

Rectangle

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



51.4394, 0.2818, 0.3049



51.4394, 0.3012, 0.3011



51.4394, 0.3445, 0.3525



51.4394, 0.3236, 0.3587

Sweetspot

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



51.4415, 0.2818, 0.3049



92.8643, 0.3034, 0.3222



59.3243, 0.2978, 0.3582



19.7155, 0.3024, 0.3214



0.0000, 0.0000, 0.0000



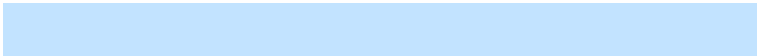
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4415, 0.2818, 0.3049



73.7317, 0.2747, 0.2988



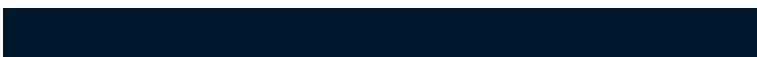
42.8705, 0.2801, 0.2776



13.1220, 0.2982, 0.3182



10.8247, 0.1818, 0.1744



0.8174, 0.1899, 0.2035

Inverse Universe

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



46.6208, 0.3311, 0.3017



65.3138, 0.3362, 0.2952



62.9633, 0.3428, 0.3757



12.5332, 0.3206, 0.3163



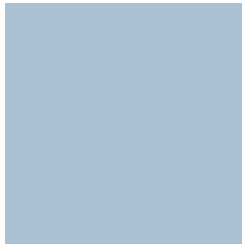
9.4376, 0.4752, 0.2392



0.5858, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 51.4394, 0.2818, 0.3049 looks on a white background.

Color Contrast Check

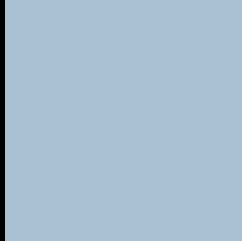
Large Text (above 18pt) WCAG AA × Fail

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 51.4394, 0.2818, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

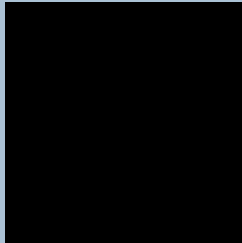
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

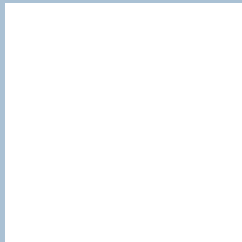
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4394, 0.2818, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 51.4394, 0.2818, 0.3049.



This preview shows how white text looks on a background with the Yxy color 51.4394, 0.2818, 0.3049.

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

51.4394, 0.2818, 0.3049

Protanopia

51.1347, 0.2963, 0.3032

Deuteranopia

51.4233, 0.3006, 0.2943



Tritanopia

51.1784, 0.2830, 0.3086

Trichromacy



Original Color

51.4394, 0.2818, 0.3049

Protanomaly

51.3038, 0.2911, 0.3041

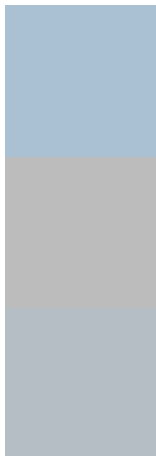
Deuteranomaly

51.3353, 0.2935, 0.2984

Tritanomaly

51.2281, 0.2824, 0.3074

Monochromacy



Original Color

51.4394, 0.2818, 0.3049

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.6819, 0.3003, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4394, 0.2818, 0.3049 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(170, 193, 212)` looks like.

```
.text, #text, p{  
    color:rgb(170, 193, 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(170, 193, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 193, 212) }
```

Border

The CSS property to change the border of an element to Yxy 51.4394, 0.2818, 0.3049 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(170, 193, 212) }
```

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

```
.border{ border-color:rgb(170, 193, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 193, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 193, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 193, 212);  
box-shadow:4px 4px 4px 4px rgb(170, 193,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4394, 0.2818, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 193, 212) }
```

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

```
.background{ background-color: rgb(170,  
193, 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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