

Converting Colors

$Yxy(51.0007, 0.2591, 0.2830)$

Have a look what the booklet for
Yxy(51.0007, 0.2591, 0.2830)
contains.

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Color

Yxy(51.0690, 0.2595, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	99C2E6
RGB	153, 194, 230
RGB Percent	60%, 76%, 90%
CMY	0.3998, 0.2392, 0.0982
CMYK	0.33, 0.16, 0.00, 0.10
HSL	208°, 61%, 75%
HSV	208°, 33%, 90%
XYZ	46.7127, 51.0690, 82.2288
YIQ	185.8450, -35.9920, 2.5040

Conversions

Conversions Part 2

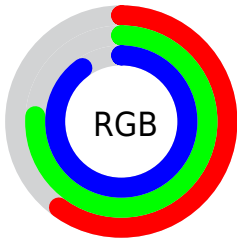
Format	Color
RYB	153, 180, 230
Decimal	10076902
CIELab	76.72, -5.08, -22.27
CIELCh	77, 22.840, 257.154
Yxy	51.0690, 0.2595, 0.2837
Android (android.graphics.Color)	4288266982 (0xFF99C2E6)
YUV	185.8450, 21.7684, -28.8051
Hunter-Lab	71.4626, -8.3799, -18.1986

Details

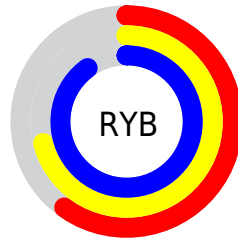
The Yxy color **51.0690, 0.2595, 0.2837** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.5155, 0.3772, 0.3702**, and the grayscale version is **48.9071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1465, 0.2852, 0.3238**, and **24.7584, 0.2459, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **44.4300, 0.2436, 0.2674**, and if you desaturate by 10%, it is **58.4895, 0.2757, 0.2988**.

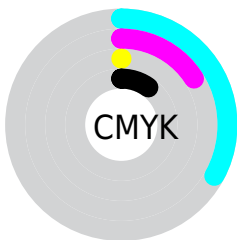
Distribution



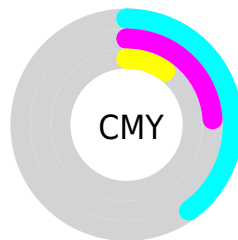
- Red (60%)
- Green (76%)
- Blue (90%)



- Red (60%)
- Yellow (71%)
- Blue (90%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0690, 0.2595, 0.2837 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 51.0690, 0.2595, 0.2837 by changing the saturation by 10% instead.

■ 51.0690, 0.2595,
0.2837

■ 51.0690, 0.2595,
0.2837

■ 390.8318, 0.2852,
0.3059

■ 36.2635, 0.2534,
0.2783

■ 91.7568, 0.2686,
0.2917

■ 24.6378, 0.2457,
0.2715

■ 118.4078, 0.2721,
0.2947

■ 15.8074, 0.2358,
0.2626

■ 149.7762, 0.2751,
0.2973

■ 9.3880, 0.2226,
0.2507

■ 186.2463, 0.2777,
0.2995

■ 4.9951, 0.2043,
0.2337

■ 228.2025, 0.2799,
0.3014

■ 2.2444, 0.1772,
0.2081

■ 276.0293, 0.2819,

■ 0.7440, 0.1301,

0.3031

0.1659

330.1109, 0.2836,
0.3046

0.0000, 0.0000,
0.0000

51.0690, 0.2595,
0.2837

51.0690, 0.2595,
0.2837

44.4300, 0.2436,
0.2674

58.4895, 0.2757,
0.2988

38.5345, 0.2283,
0.2500

66.7153, 0.2918,
0.3126

33.3493, 0.2143,
0.2319

75.7768, 0.3074,
0.3250

28.8362, 0.2019,
0.2135

85.7003, 0.3225,
0.3361

24.9513, 0.1916,
0.1952

93.9566, 0.3282,
0.3464

■ 21.6432, 0.1837,
0.1776

■ 98.4910, 0.3274,
0.3533

■ 19.7399, 0.1796,
0.1665

Harmonies

Analogous

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



51.0690, 0.2548, 0.3019



51.0690, 0.2595, 0.2837



51.0690, 0.2778, 0.2780

Triad

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



51.0690, 0.2595, 0.2837



51.0690, 0.3629, 0.3255



51.0690, 0.3170, 0.3792

Complementary

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



51.0690, 0.2595, 0.2837



55.5155, 0.3772, 0.3702

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.



51.0690, 0.3468, 0.3840



51.0690, 0.2595, 0.2837



51.0690, 0.3743, 0.3513

Square

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



51.0690, 0.2595, 0.2837



51.0690, 0.3374, 0.3017



51.0690, 0.3681, 0.3729



51.0690, 0.2870, 0.3586

Rectangle

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



51.0690, 0.2595, 0.2837



51.0690, 0.2958, 0.2811



51.0690, 0.3681, 0.3729



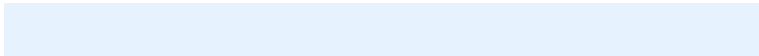
51.0690, 0.3274, 0.3827

Sweetspot

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



51.0710, 0.2595, 0.2837



88.1082, 0.2971, 0.3170



67.0201, 0.2875, 0.3808



18.5197, 0.2949, 0.3152



0.0000, 0.0000, 0.0000



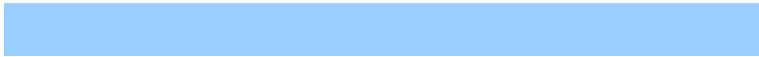
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0710, 0.2595, 0.2837



58.7690, 0.2486, 0.2727



36.1331, 0.2530, 0.2329



15.1515, 0.2981, 0.3177



11.4270, 0.1803, 0.1691



1.0300, 0.1873, 0.1943

Inverse Universe

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



43.5084, 0.3494, 0.2828



48.5627, 0.3597, 0.2732



74.2738, 0.3639, 0.4098



14.4956, 0.3209, 0.3166



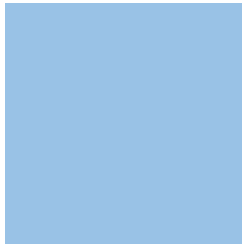
10.3513, 0.4817, 0.2427



0.7837, 0.4518, 0.2262

Previews

White Background



This preview shows how the Yxy color 51.0690, 0.2595, 0.2837 looks on a white background.

Color Contrast Check

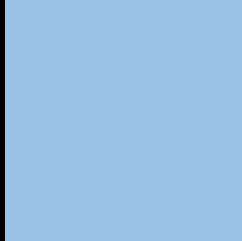
Large Text (above 18pt) WCAG AA × Fail

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 51.0690, 0.2595, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

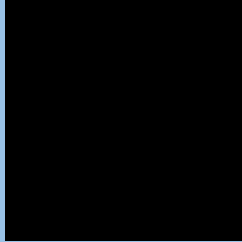
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

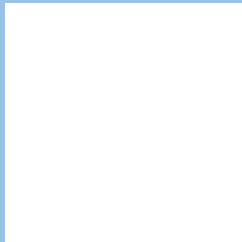
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0690, 0.2595, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 51.0690, 0.2595, 0.2837.



This preview shows how white text looks on a background with the Yxy color 51.0690, 0.2595, 0.2837.

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

51.0690, 0.2595, 0.2837

Protanopia

50.8006, 0.2807, 0.2829

Deuteranopia

50.8384, 0.2789, 0.2731



Tritanopia

51.1262, 0.2673, 0.3080

Trichromacy



Original Color

51.0690, 0.2595, 0.2837

Protanomaly

51.0309, 0.2726, 0.2834

Deuteranomaly

50.6202, 0.2712, 0.2766

Tritanomaly

51.0784, 0.2643, 0.2993

Monochromacy



Original Color

51.0690, 0.2595, 0.2837

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6581, 0.2913, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0690, 0.2595, 0.2837 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(153, 194, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 194, 230)  
}
```

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(153, 194, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 194, 230) }
```

Border

The CSS property to change the border of an element to Yxy 51.0690, 0.2595, 0.2837 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(153, 194, 230) }
```

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

```
.border{ border-color:rgb(153, 194, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 194, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 194, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 194, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 194,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0690, 0.2595, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 194, 230) }
```

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

```
.background{ background-color: rgb(153,  
194, 230) }
```

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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