

Converting Colors

$Yxy(49.7736, 0.2591, 0.2789)$

Have a look what the booklet for
Yxy(49.7736, 0.2591, 0.2789)
contains.

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Color

Yxy(49.9011, 0.2590, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	9ABFE7
RGB	154, 191, 231
RGB Percent	60%, 75%, 91%
CMY	0.3962, 0.2509, 0.0942
CMYK	0.33, 0.17, 0.00, 0.09
HSL	211°, 62%, 75%
HSV	211°, 33%, 91%
XYZ	46.3738, 49.9011, 82.7746
YIQ	184.4970, -34.8920, 4.5960

Conversions

Conversions Part 2

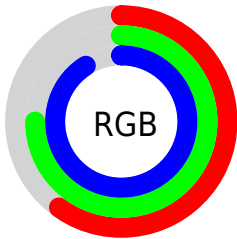
Format	Color
RYB	154, 179, 231
Decimal	10141671
CIELab	76.01, -2.96, -23.90
CIELCh	76, 24.081, 262.929
Yxy	49.9011, 0.2590, 0.2787
Android (android.graphics.Color)	4288331751 (0xFF9ABFE7)
YUV	184.4970, 22.9260, -26.7459
Hunter-Lab	70.6407, -6.4405, -20.0257

Details

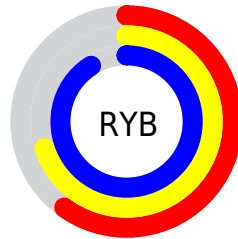
The Yxy color **49.9011, 0.2590, 0.2787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.8730, 0.3755, 0.3743**, and the grayscale version is **48.1045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4432, 0.2856, 0.3206**, and **23.9814, 0.2451, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **42.8343, 0.2425, 0.2604**, and if you desaturate by 10%, it is **57.8358, 0.2756, 0.2956**.

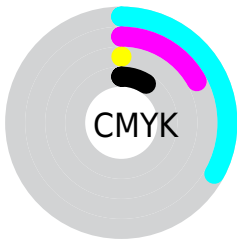
Distribution



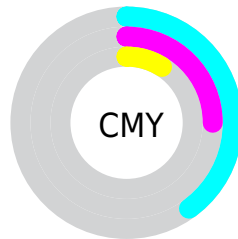
- Red (60%)
- Green (75%)
- Blue (91%)



- Red (60%)
- Yellow (70%)
- Blue (91%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9011, 0.2590, 0.2787 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 49.9011, 0.2590, 0.2787 by changing the saturation by 10% instead.

■ 49.9011, 0.2590,
0.2787

■ 49.9011, 0.2590,
0.2787

■ 386.2791, 0.2850,
0.3033

■ 35.3348, 0.2528,
0.2728

■ 90.0283, 0.2683,
0.2875

■ 23.9209, 0.2450,
0.2653

■ 116.3581, 0.2718,
0.2909

■ 15.2750, 0.2349,
0.2555

■ 147.3777, 0.2748,
0.2937

■ 9.0126, 0.2214,
0.2424

■ 183.4718, 0.2774,
0.2962

■ 4.7494, 0.2025,
0.2239

■ 225.0245, 0.2797,
0.2983

■ 2.1010, 0.1748,
0.1963

■ 272.4204, 0.2817,

■ 0.6652, 0.1260,

0.3002

0.1497

326.0438, 0.2835,
0.3018

0.0000, 0.0000,
0.0000

49.9011, 0.2590,
0.2787

49.9011, 0.2590,
0.2787

42.8343, 0.2425,
0.2604

57.8358, 0.2756,
0.2956

36.5942, 0.2266,
0.2410

66.6655, 0.2919,
0.3109

31.1446, 0.2118,
0.2208

76.4231, 0.3076,
0.3247

26.4433, 0.1986,
0.2004

87.1380, 0.3226,
0.3370

22.4431, 0.1877,
0.1803

95.9918, 0.3272,
0.3484

■ 19.0884, 0.1792,
0.1611

■ 98.5485, 0.3268,
0.3523

■ 17.1611, 0.1748,
0.1491

Harmonies

Analogous

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



49.9011, 0.2511, 0.2955



49.9011, 0.2590, 0.2787



49.9011, 0.2807, 0.2753

Triad

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



49.9011, 0.2590, 0.2787



49.9011, 0.3698, 0.3305



49.9011, 0.3107, 0.3795

Complementary

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



49.9011, 0.2590, 0.2787



57.8730, 0.3755, 0.3743

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.



49.9011, 0.3432, 0.3880



49.9011, 0.2590, 0.2787



49.9011, 0.3784, 0.3574

Square

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



49.9011, 0.2590, 0.2787



49.9011, 0.3450, 0.3045



49.9011, 0.3683, 0.3789



49.9011, 0.2799, 0.3549

Rectangle

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



49.9011, 0.2590, 0.2787



49.9011, 0.3009, 0.2803



49.9011, 0.3683, 0.3789



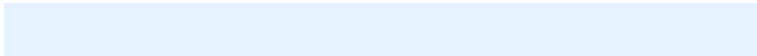
49.9011, 0.3218, 0.3843

Sweetspot

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



49.9031, 0.2590, 0.2787



87.3256, 0.2971, 0.3156



67.8927, 0.2854, 0.3756



18.3305, 0.2949, 0.3136



0.0000, 0.0000, 0.0000



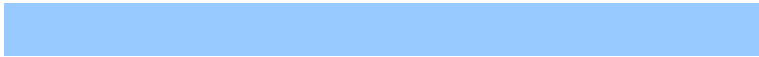
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9031, 0.2590, 0.2787



56.2638, 0.2476, 0.2663



35.8627, 0.2537, 0.2301



15.0255, 0.2981, 0.3165



9.8683, 0.1755, 0.1519



0.9145, 0.1831, 0.1790

Inverse Universe

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



43.8488, 0.3531, 0.2872



48.3098, 0.3648, 0.2784



76.2467, 0.3620, 0.4123



14.4829, 0.3217, 0.3177



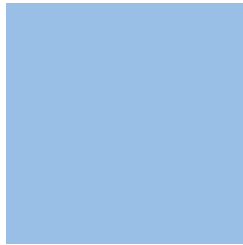
10.1939, 0.5034, 0.2547



0.7720, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 49.9011, 0.2590, 0.2787 looks on a white background.

Color Contrast Check

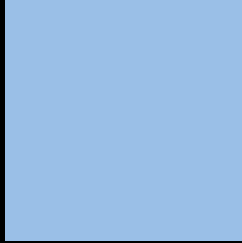
Large Text (above 18pt) WCAG AA × Fail

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 49.9011, 0.2590, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

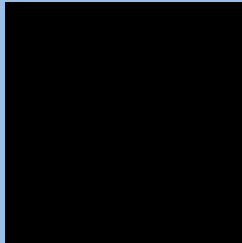
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

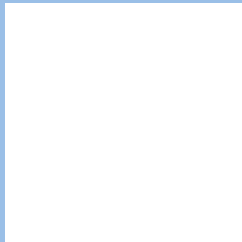
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9011, 0.2590, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 49.9011, 0.2590, 0.2787.



This preview shows how white text looks on a background with the Yxy color 49.9011, 0.2590, 0.2787.

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

49.9011, 0.2590, 0.2787

Protanopia

49.7090, 0.2770, 0.2778

Deuteranopia

49.6952, 0.2759, 0.2692



Tritanopia

50.0729, 0.2688, 0.3092

Trichromacy



Original Color

49.9011, 0.2590, 0.2787

Protanomaly

49.5771, 0.2702, 0.2783

Deuteranomaly

49.7147, 0.2697, 0.2729

Tritanomaly

50.2248, 0.2652, 0.2979

Monochromacy



Original Color

49.9011, 0.2590, 0.2787

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6419, 0.2912, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9011, 0.2590, 0.2787 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(154, 191, 231)` looks like.

```
.text, #text, p{  
    color:rgb(154, 191, 231)  
}
```

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(154, 191, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 191, 231) }
```

Border

The CSS property to change the border of an element to Yxy 49.9011, 0.2590, 0.2787 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(154, 191, 231) }
```

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

```
.border{ border-color:rgb(154, 191, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 191, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 191, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 191, 231);  
box-shadow:4px 4px 4px 4px rgb(154, 191,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9011, 0.2590, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 191, 231) }
```

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

```
.background{ background-color: rgb(154,  
191, 231) }
```

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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