

# Converting Colors

$Yxy(62.2644, 0.2602, 0.2971)$

Have a look what the booklet for  
Yxy(62.2644, 0.2602, 0.2971)  
contains.

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# Color

**Yxy(62.3826, 0.2599, 0.2968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD7F2
RGB	159, 215, 242
RGB Percent	62%, 84%, 95%
CMY	0.3765, 0.1569, 0.0509
CMYK	0.34, 0.11, 0.00, 0.05
HSL	200°, 76%, 79%
HSV	200°, 34%, 95%
XYZ	54.6268, 62.3826, 93.1746
YIQ	201.3340, -42.0430, -3.4750

# Conversions

## Conversions Part 2

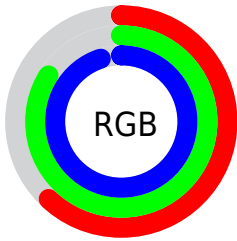
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 192, 242
Decimal	10475506
CIE <sub>Lab</sub>	83.12, -11.51, -18.99
CIE <sub>LCh</sub>	83, 22.206, 238.768
Yxy	62.3826, 0.2599, 0.2968
Android (android.graphics.Color)	4288665586 (0xFF9FD7F2)
YUV	201.3340, 20.0483, -37.1269
Hunter-Lab	78.9827, -14.7636, -14.6556

# Details

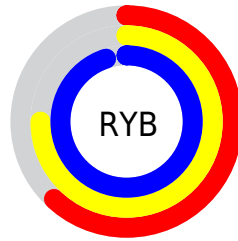
The Yxy color **62.3826, 0.2599, 0.2968** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5060, 0.3838, 0.3588**, and the grayscale version is **58.5213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **31.6298, 0.2470, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **56.2338, 0.2455, 0.2856**, and if you desaturate by 10%, it is **69.2137, 0.2750, 0.3072**.

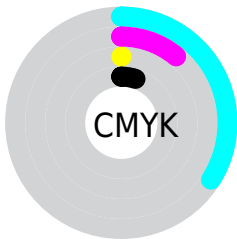
# Distribution



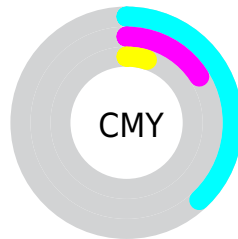
- Red (62%)
- Green (84%)
- Blue (95%)



- Red (62%)
- Yellow (75%)
- Blue (95%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (38%)
- Magenta (16%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3826, 0.2599, 0.2968 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 62.3826, 0.2599, 0.2968 by changing the saturation by 10% instead.




 62.3826, 0.2599,  
0.2968


 62.3826, 0.2599,  
0.2968


433.3253, 0.2845,  
0.3124

 45.3419, 0.2543,  
0.2931


 108.2783, 0.2685,  
0.3023

 31.7268, 0.2473,  
0.2884


 137.9021, 0.2718,  
0.3045

 21.1529, 0.2385,  
0.2824


172.4891, 0.2746,  
0.3063

 13.2358, 0.2270,  
0.2743

212.4236, 0.2771,  
0.3078

 7.5911, 0.2114,  
0.2631

258.0901, 0.2793,  
0.3092

 3.8345, 0.1893,  
0.2463

309.8730, 0.2812,

 1.5814, 0.1561,

0.3104

0.2192

368.1566, 0.2830,  
0.3114

0.3450, 0.0204,  
0.1500

0.0000, 0.0000,  
0.0000

62.3826, 0.2599,  
0.2968

62.3826, 0.2599,  
0.2968

56.2338, 0.2455,  
0.2856

69.2137, 0.2750,  
0.3072

50.7288, 0.2322,  
0.2738

76.7485, 0.2905,  
0.3168

45.8360, 0.2203,  
0.2615

85.0162, 0.3061,  
0.3255

41.5174, 0.2103,  
0.2490

93.8883, 0.3209,  
0.3334

■ 37.7291, 0.2023,  
0.2364

■ 98.7938, 0.3203,  
0.3409

■ 34.4181, 0.1963,  
0.2240

■ 99.1915, 0.3203,  
0.3415

■ 32.7004, 0.1936,  
0.2170

# Harmonies

## Analogous

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



62.3826, 0.2638, 0.3192



62.3826, 0.2599, 0.2968



62.3826, 0.2693, 0.2843

# Triad

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



62.3826, 0.2599, 0.2968



62.3826, 0.3453, 0.3121



62.3826, 0.3339, 0.3790

# Complementary

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



62.3826, 0.2599, 0.2968



56.5060, 0.3838, 0.3588

# 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.



62.3826, 0.3571, 0.3744



62.3826, 0.2599, 0.2968



62.3826, 0.3641, 0.3352

# Square

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



62.3826, 0.2599, 0.2968



62.3826, 0.3179, 0.2935



62.3826, 0.3684, 0.3579



62.3826, 0.3057, 0.3687



# Rectangle

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



62.3826, 0.2599, 0.2968



62.3826, 0.2821, 0.2824



62.3826, 0.3684, 0.3579



62.3826, 0.3425, 0.3791

# Sweetspot

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



62.3851, 0.2599, 0.2968



90.3003, 0.2972, 0.3206



74.3977, 0.2936, 0.3983



19.0508, 0.2950, 0.3194



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

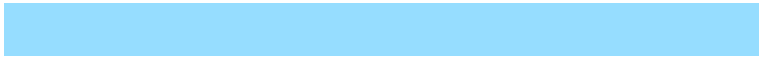


# Same Dimension

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



62.3851, 0.2599, 0.2968



65.4499, 0.2500, 0.2893



44.1408, 0.2531, 0.2455



17.0114, 0.2981, 0.3211



17.8242, 0.1942, 0.2191



1.6629, 0.1987, 0.2353



# Inverse Universe

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



48.5834, 0.3399, 0.2694



48.4361, 0.3472, 0.2576



76.2081, 0.3694, 0.4004



15.9388, 0.3188, 0.3132



11.5927, 0.4242, 0.2111

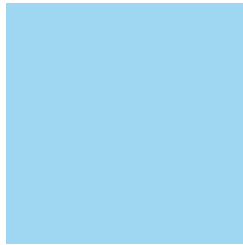


0.9826, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 62.3826, 0.2599, 0.2968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

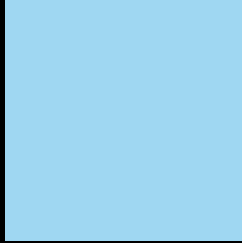
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3826, 0.2599, 0.2968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

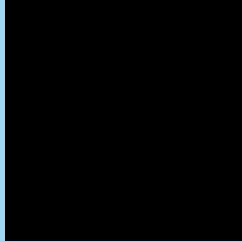
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3826, 0.2599, 0.2968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3826, 0.2599, 0.2968.

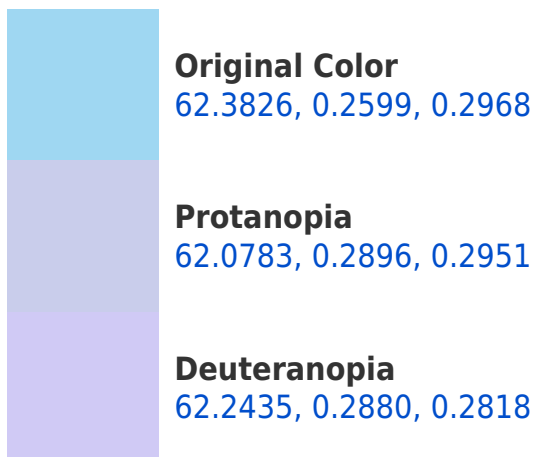


This preview shows how white text looks on a background with the Yxy color 62.3826, 0.2599, 0.2968.

# 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





## Tritanopia

62.2203, 0.2632, 0.3071

# Trichromacy



**Original Color**

62.3826, 0.2599, 0.2968

**Protanomaly**

62.2131, 0.2778, 0.2955

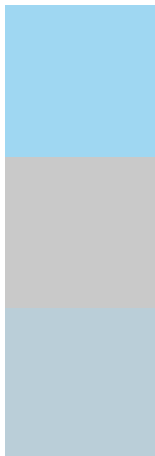
**Deuteranomaly**

62.1045, 0.2767, 0.2870

**Tritanomaly**

62.4953, 0.2621, 0.3037

# Monochromacy



**Original Color**

62.3826, 0.2599, 0.2968

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.5396, 0.2913, 0.3170

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3826, 0.2599, 0.2968 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(159, 215, 242)` looks like.

```
.text, #text, p{  
    color:rgb(159, 215, 242)  
}
```

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(159, 215, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 215, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3826, 0.2599, 0.2968 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(159, 215, 242) }
```

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

```
.border{ border-color:rgb(159, 215, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 215, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 215, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 215, 242); box-shadow:4px 4px 4px 4px rgb(159, 215, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3826, 0.2599, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 215, 242) }
```

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

```
.background{ background-color: rgb(159,  
215, 242) }
```

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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