

# Converting Colors

Yxy(61.5553, 0.2732, 0.3134)

Have a look what the booklet for  
Yxy(61.5553, 0.2732, 0.3134)  
contains.

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# Color

**Yxy(61.2950, 0.2731, 0.3132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7D5E2
RGB	167, 213, 226
RGB Percent	65%, 84%, 89%
CMY	0.3454, 0.1646, 0.1137
CMYK	0.26, 0.06, 0.00, 0.11
HSL	193°, 50%, 77%
HSV	193°, 26%, 89%
XYZ	53.4472, 61.2950, 80.9634
YIQ	200.7280, -31.5890, -5.7090

# Conversions

## Conversions Part 2

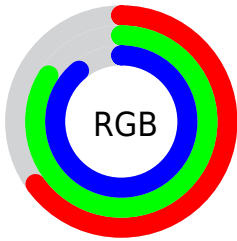
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	167, 193, 226
Decimal	10999266
CIE <sub>Lab</sub>	82.54, -12.03, -11.30
CIE <sub>LCh</sub>	83, 16.506, 223.207
Y <sub>xy</sub>	61.2950, 0.2731, 0.3132
Android (android.graphics.Color)	4289189346 (0xFFA7D5E2)
YUV	200.7280, 12.4591, -29.5795
Hunter-Lab	78.2911, -15.1524, -6.5099

# Details

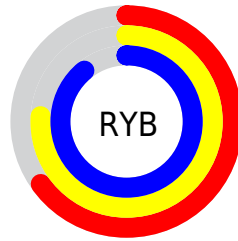
The Yxy color **61.2950, 0.2731, 0.3132** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.5643, 0.3647, 0.3442**, and the grayscale version is **58.1616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **30.9047, 0.2628, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **56.5879, 0.2590, 0.3062**, and if you desaturate by 10%, it is **66.5136, 0.2880, 0.3197**.

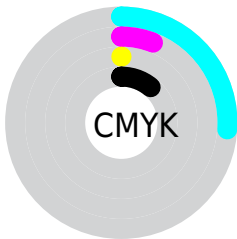
# Distribution



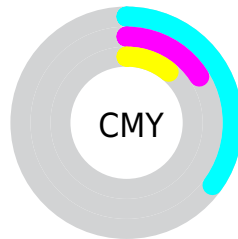
- Red (65%)
- Green (84%)
- Blue (89%)



- Red (65%)
- Yellow (76%)
- Blue (89%)



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2950, 0.2731, 0.3132 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 61.2950, 0.2731, 0.3132 by changing the saturation by 10% instead.



61.2950, 0.2731,  
0.3132

61.2950, 0.2731,  
0.3132

429.3548, 0.2918,  
0.3210

44.4633, 0.2688,  
0.3113

106.7060, 0.2796,  
0.3160

31.0349, 0.2634,  
0.3089

136.0540, 0.2822,  
0.3171

20.6254, 0.2565,  
0.3057

170.3429, 0.2843,  
0.3180

12.8505, 0.2474,  
0.3014

209.9571, 0.2862,  
0.3187

7.3257, 0.2349,  
0.2952

255.2810, 0.2878,  
0.3194

3.6666, 0.2166,  
0.2855

306.6990, 0.2893,

1.4889, 0.1875,

0.3200

0.2686

364.5955, 0.2906,  
0.3205

0.2809, 0.0000,  
0.2031

0.0000, 0.0000,  
0.0000

61.2950, 0.2731,  
0.3132

61.2950, 0.2731,  
0.3132

56.5879, 0.2590,  
0.3062

66.5136, 0.2880,  
0.3197

52.3619, 0.2459,  
0.2988

72.2577, 0.3033,  
0.3256

48.5942, 0.2342,  
0.2910

78.5498, 0.3187,  
0.3310

45.2573, 0.2242,  
0.2830

84.9634, 0.3324,  
0.3359

■ 42.3198, 0.2161,  
0.2749

■ 87.8133, 0.3318,  
0.3408

■ 39.7456, 0.2099,  
0.2667

■ 90.7429, 0.3312,  
0.3456

■ 37.4894, 0.2057,  
0.2587

■ 93.7528, 0.3306,  
0.3503

■ 36.6729, 0.2043,  
0.2556

■ 96.8438, 0.3300,  
0.3551

■ 98.2709, 0.3298,  
0.3572

# Harmonies

## Analogous

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



61.2950, 0.2813, 0.3323



61.2950, 0.2731, 0.3132



61.2950, 0.2750, 0.2993

# Triad

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



61.2950, 0.2731, 0.3132



61.2950, 0.3270, 0.3083



61.2950, 0.3385, 0.3658

# Complementary

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



61.2950, 0.2731, 0.3132



51.5643, 0.3647, 0.3442

# 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.



61.2950, 0.3516, 0.3578



61.2950, 0.2731, 0.3132



61.2950, 0.3449, 0.3246

# Square

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



61.2950, 0.2731, 0.3132



61.2950, 0.3056, 0.2972



61.2950, 0.3540, 0.3426



61.2950, 0.3188, 0.3636



# Rectangle

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



61.2950, 0.2731, 0.3132



61.2950, 0.2819, 0.2946



61.2950, 0.3540, 0.3426



61.2950, 0.3439, 0.3642

# Sweetspot

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



61.2975, 0.2731, 0.3132



93.5071, 0.3003, 0.3245



65.8847, 0.3015, 0.3870



19.7642, 0.2980, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

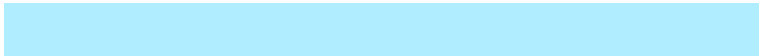


# Same Dimension

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



61.2975, 0.2731, 0.3132



77.3772, 0.2658, 0.3097



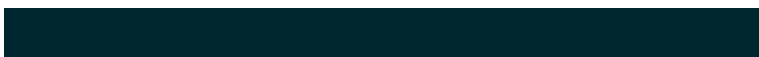
47.8434, 0.2696, 0.2761



15.0345, 0.2982, 0.3237



21.1049, 0.2047, 0.2569



1.5908, 0.2081, 0.2693



# Inverse Universe

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



48.5874, 0.3266, 0.2775



58.4423, 0.3299, 0.2673



64.6866, 0.3565, 0.3768



13.8814, 0.3171, 0.3109



11.0386, 0.3854, 0.1897

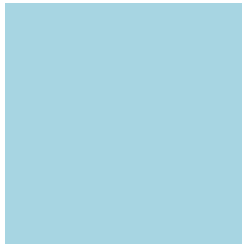


0.7780, 0.3735, 0.1831



# Previews

## White Background



This preview shows how the Yxy color 61.2950, 0.2731, 0.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

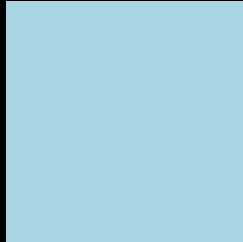
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2950, 0.2731, 0.3132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

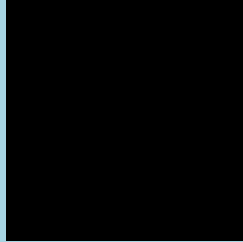
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.2950, 0.2731, 0.3132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2950, 0.2731, 0.3132.



This preview shows how white text looks on a background with the Yxy color 61.2950, 0.2731, 0.3132.

# 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

61.2950, 0.2731, 0.3132

### Protanopia

61.1904, 0.3016, 0.3106

### Deuteranopia

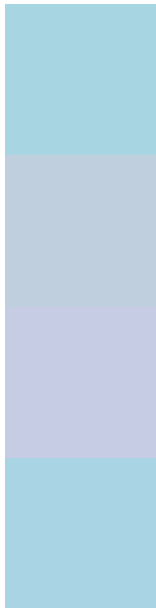
60.8001, 0.3029, 0.2956



## Tritanopia

61.0689, 0.2719, 0.3085

# Trichromacy



**Original Color**

61.2950, 0.2731, 0.3132

**Protanomaly**

60.9759, 0.2910, 0.3114

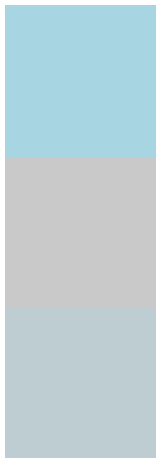
**Deuteranomaly**

60.6575, 0.2912, 0.3013

**Tritanomaly**

61.0132, 0.2725, 0.3096

# Monochromacy



**Original Color**

61.2950, 0.2731, 0.3132

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.1346, 0.2974, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2950, 0.2731, 0.3132 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(167, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(167, 213, 226)  
}
```

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(167, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 213, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2950, 0.2731, 0.3132 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(167, 213, 226) }
```

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

```
.border{ border-color:rgb(167, 213, 226) }
```

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

Here you see how a box with a 4 pixel rgb(167, 213, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 213, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 213, 226);  
box-shadow:4px 4px 4px 4px rgb(167, 213,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2950, 0.2731, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 213, 226) }
```

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

```
.background{ background-color: rgb(167,  
213, 226) }
```

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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