

# Converting Colors

Yxy(62.9553, 0.2562, 0.3131)

Have a look what the booklet for  
Yxy(62.9553, 0.2562, 0.3131)  
contains.

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# Color

**Yxy(62.8204, 0.2563, 0.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EDCE9
RGB	142, 220, 233
RGB Percent	56%, 86%, 91%
CMY	0.4430, 0.1372, 0.0863
CMYK	0.39, 0.06, 0.00, 0.09
HSL	189°, 67%, 74%
HSV	189°, 39%, 91%
XYZ	51.4569, 62.8204, 86.4910
YIQ	198.1600, -50.6610, -12.4930

# Conversions

## Conversions Part 2

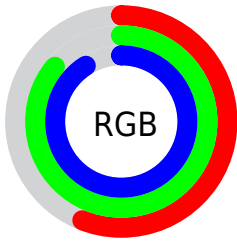
Format	Color
<a href="#">RYB</a>	<a href="#">142, 184, 233</a>
Decimal	<a href="#">9362665</a>
CIELab	<a href="#">83.35, -20.71, -13.94</a>
CIELCh	<a href="#">83, 24.965, 213.933</a>
Yxy	<a href="#">62.8204, 0.2563, 0.3129</a>
Android (android.graphics.Color)	<a href="#">4287552745</a> ( <a href="#">0xFF8EDCE9</a> )
YUV	<a href="#">198.1600, 17.1761, -49.2523</a>
Hunter-Lab	<a href="#">79.2593, -22.8176, -9.2181</a>

# Details

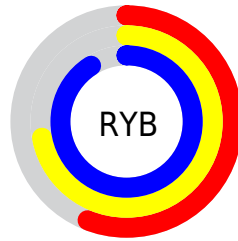
The Yxy color **62.8204, 0.2563, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7186, 0.4045, 0.3442**, and the grayscale version is **56.4946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **32.0630, 0.2432, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **59.2445, 0.2445, 0.3081**, and if you desaturate by 10%, it is **66.8667, 0.2695, 0.3175**.

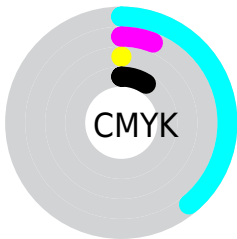
# Distribution



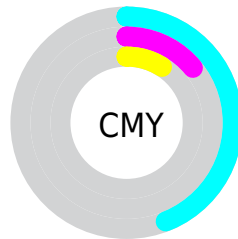
- Red (56%)
- Green (86%)
- Blue (91%)



- Red (56%)
- Yellow (72%)
- Blue (91%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)




- Cyan (44%)
- Magenta (14%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8204, 0.2563, 0.3129 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 62.8204, 0.2563, 0.3129 by changing the saturation by 10% instead.





 62.8204, 0.2563,  
0.3129

 62.8204, 0.2563,  
0.3129

434.9174, 0.2825,  
0.3211

 45.6959, 0.2503,  
0.3108


 108.9104, 0.2654,  
0.3159

 32.0059, 0.2429,  
0.3082


 138.6446, 0.2690,  
0.3170

 21.3660, 0.2335,  
0.3047


173.3510, 0.2720,  
0.3180

 13.3918, 0.2212,  
0.2999

213.4138, 0.2747,  
0.3188

 7.6989, 0.2047,  
0.2928

259.2174, 0.2770,  
0.3195

 3.9029, 0.1811,  
0.2817

311.1463, 0.2791,

 1.6194, 0.1457,

0.3201

369.5848, 0.2809,  
0.3206

0.2621

0.3706, 0.0000,  
0.2047

0.0000, 0.0000,  
0.0000

62.8204, 0.2563,  
0.3129

62.8204, 0.2563,  
0.3129

59.2445, 0.2445,  
0.3081

66.8667, 0.2695,  
0.3175

56.1042, 0.2342,  
0.3031

71.4008, 0.2838,  
0.3217

53.3718, 0.2259,  
0.2981

76.4482, 0.2988,  
0.3257

51.0128, 0.2194,  
0.2930

82.0305, 0.3142,  
0.3293

■ 48.9864, 0.2149,  
0.2879

■ 87.4950, 0.3274,  
0.3326

■ 47.2298, 0.2120,  
0.2829

■ 89.4343, 0.3271,  
0.3359

■ 47.0679, 0.2118,  
0.2824

■ 91.4095, 0.3267,  
0.3391

■ 93.4207, 0.3264,  
0.3423

■ 95.4681, 0.3261,  
0.3455

# Harmonies

## Analogous

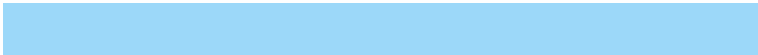
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8204, 0.2723, 0.3429



62.8204, 0.2563, 0.3129



62.8204, 0.2546, 0.2895

# Triad

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



62.8204, 0.2563, 0.3129



62.8204, 0.3240, 0.2924



62.8204, 0.3586, 0.3819

# Complementary

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



62.8204, 0.2563, 0.3129



42.7186, 0.4045, 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.



62.8204, 0.3742, 0.3649



62.8204, 0.2563, 0.3129



62.8204, 0.3538, 0.3142

# Square

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



62.8204, 0.2563, 0.3129



62.8204, 0.2923, 0.2793



62.8204, 0.3726, 0.3402



62.8204, 0.3310, 0.3846



# Rectangle

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



62.8204, 0.2563, 0.3129



62.8204, 0.2616, 0.2803



62.8204, 0.3726, 0.3402



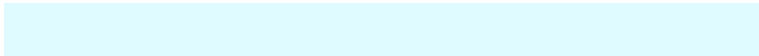
62.8204, 0.3655, 0.3775

# Sweetspot

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



62.8229, 0.2563, 0.3129



91.8966, 0.2942, 0.3246



66.3596, 0.3006, 0.4323



19.4932, 0.2922, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

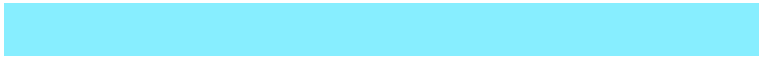


# Same Dimension

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



62.8229, 0.2563, 0.3129



73.4719, 0.2465, 0.3090



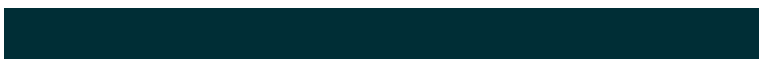
42.4413, 0.2474, 0.2544



16.7340, 0.2981, 0.3255



26.8516, 0.2120, 0.2832



2.2089, 0.2139, 0.2902



# Inverse Universe

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



41.8412, 0.3289, 0.2449



44.7968, 0.3331, 0.2284



60.4126, 0.3844, 0.3933



15.2746, 0.3160, 0.3090



12.2035, 0.3605, 0.1760

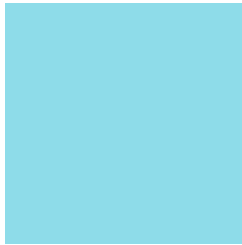


0.9684, 0.3542, 0.1725



# Previews

## White Background



This preview shows how the Yxy color 62.8204, 0.2563, 0.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

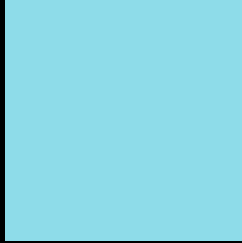
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8204, 0.2563, 0.3129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

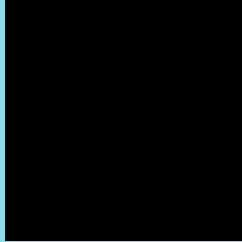
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8204, 0.2563, 0.3129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8204, 0.2563, 0.3129.



This preview shows how white text looks on a background with the Yxy color 62.8204, 0.2563, 0.3129.

# 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

62.8204, 0.2563, 0.3129

### Protanopia

62.0236, 0.2996, 0.3074

### Deuteranopia

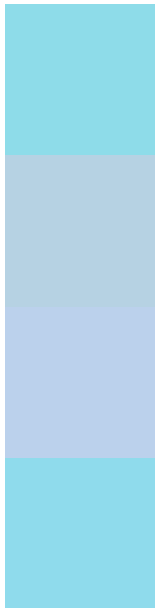
62.5016, 0.2967, 0.2905



## Tritanopia

62.6171, 0.2546, 0.3069

# Trichromacy



**Original Color**

62.8204, 0.2563, 0.3129

**Protanomaly**

61.5843, 0.2819, 0.3089

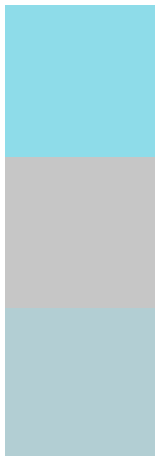
**Deuteranomaly**

62.2219, 0.2797, 0.2978

**Tritanomaly**

62.5588, 0.2551, 0.3081

# Monochromacy



**Original Color**

62.8204, 0.2563, 0.3129

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

58.3107, 0.2889, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8204, 0.2563, 0.3129 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(142, 220, 233)` looks like.

```
.text, #text, p{  
    color:rgb(142, 220, 233)  
}
```

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(142, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 220, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8204, 0.2563, 0.3129 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(142, 220, 233) }
```

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

```
.border{ border-color:rgb(142, 220, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 220, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 220, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 220, 233);  
box-shadow:4px 4px 4px 4px rgb(142, 220,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8204, 0.2563, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 220, 233) }
```

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

```
.background{ background-color: rgb(142,  
220, 233) }
```

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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