

# Converting Colors

$Yxy(62.6846, 0.2628, 0.3130)$

Have a look what the booklet for  
Yxy(62.6846, 0.2628, 0.3130)  
contains.

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# Color

**Yxy(62.6846, 0.2628, 0.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99DAE7
RGB	153, 218, 231
RGB Percent	60%, 85%, 91%
CMY	0.4001, 0.1451, 0.0940
CMYK	0.34, 0.06, 0.00, 0.09
HSL	190°, 62%, 75%
HSV	190°, 34%, 91%
XYZ	52.6310, 62.6846, 84.9547
YIQ	200.0470, -42.9130, -9.7370

# Conversions

## Conversions Part 2

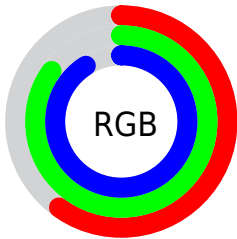
Format	Color
R <sub>YB</sub>	153, 188, 231
Decimal	10083047
CIE <sub>Lab</sub>	83.28, -17.33, -12.96
CIE <sub>LCh</sub>	83, 21.636, 216.785
Y <sub>xy</sub>	62.6846, 0.2628, 0.3130
Android (android.graphics.Color)	4288273127 (0xFF99DAE7)
YUV	200.0470, 15.2598, -41.2602
Hunter-Lab	79.1736, -19.8951, -8.1977

# Details

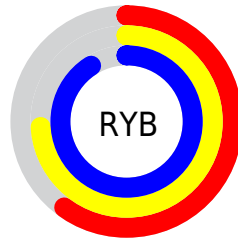
The Yxy color **62.6846, 0.2628, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5659, 0.3870, 0.3443**, and the grayscale version is **57.7115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **31.8862, 0.2509, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **58.6759, 0.2500, 0.3075**, and if you desaturate by 10%, it is **67.1800, 0.2768, 0.3182**.

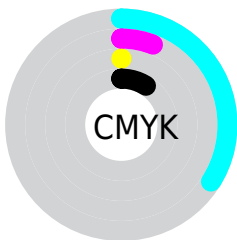
# Distribution



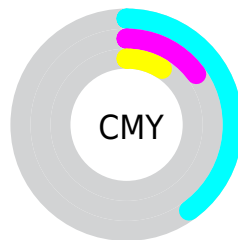
- Red (60%)
- Green (85%)
- Blue (91%)



- Red (60%)
- Yellow (74%)
- Blue (91%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)




- Cyan (40%)
- Magenta (15%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6846, 0.2628, 0.3130 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 62.6846, 0.2628, 0.3130 by changing the saturation by 10% instead.




 62.6846, 0.2628,  
0.3130

 62.6846, 0.2628,  
0.3130


434.4239, 0.2861,  
0.3210

 45.5861, 0.2574,  
0.3110

 108.7144, 0.2709,  
0.3159

 31.9193, 0.2508,  
0.3085


 138.4144, 0.2741,  
0.3170

 21.2999, 0.2424,  
0.3051


173.0838, 0.2768,  
0.3179

 13.3434, 0.2314,  
0.3005

213.1068, 0.2791,  
0.3187

 7.6654, 0.2164,  
0.2938

258.8680, 0.2812,  
0.3194

 3.8816, 0.1948,  
0.2834

310.7516, 0.2830,

 1.6076, 0.1618,

0.3200

0.2652

369.1421, 0.2846,  
0.3206

0.3627, 0.0000,  
0.2128

0.0000, 0.0000,  
0.0000

62.6846, 0.2628,  
0.3130

62.6846, 0.2628,  
0.3130

58.6759, 0.2500,  
0.3075

67.1800, 0.2768,  
0.3182

55.1209, 0.2386,  
0.3017

72.1782, 0.2916,  
0.3230

51.9940, 0.2289,  
0.2958

77.7035, 0.3068,  
0.3274

49.2636, 0.2211,  
0.2898

83.7763, 0.3224,  
0.3314

■ 46.8933, 0.2152,  
0.2837

■ 87.7681, 0.3286,  
0.3352

■ 44.8387, 0.2112,  
0.2778

■ 90.0291, 0.3282,  
0.3390

■ 43.6792, 0.2095,  
0.2741

■ 92.3384, 0.3278,  
0.3427

■ 94.6963, 0.3274,  
0.3464

■ 97.1032, 0.3270,  
0.3500

# Harmonies

## Analogous

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



62.6846, 0.2758, 0.3387



62.6846, 0.2628, 0.3130



62.6846, 0.2625, 0.2934

# Triad

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



62.6846, 0.2628, 0.3130



62.6846, 0.3252, 0.2986



62.6846, 0.3507, 0.3757

# Complementary

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



62.6846, 0.2628, 0.3130



46.5659, 0.3870, 0.3443

# 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.



62.6846, 0.3654, 0.3623



62.6846, 0.2628, 0.3130



62.6846, 0.3504, 0.3183

# Square

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



62.6846, 0.2628, 0.3130



62.6846, 0.2975, 0.2862



62.6846, 0.3654, 0.3412



62.6846, 0.3262, 0.3763



# Rectangle

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



62.6846, 0.2628, 0.3130



62.6846, 0.2694, 0.2859



62.6846, 0.3654, 0.3412



62.6846, 0.3570, 0.3724

# Sweetspot

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



62.6871, 0.2628, 0.3130



92.7946, 0.2972, 0.3247



66.6951, 0.3006, 0.4125



19.6568, 0.2951, 0.3241



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

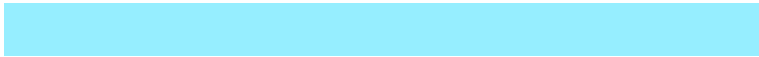


# Same Dimension

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



62.6871, 0.2628, 0.3130



74.6331, 0.2531, 0.3089



44.7770, 0.2563, 0.2627



15.9053, 0.2981, 0.3250



24.6359, 0.2097, 0.2750



1.9297, 0.2122, 0.2837



# Inverse Universe

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



44.8290, 0.3280, 0.2579



49.3631, 0.3322, 0.2426



62.9639, 0.3724, 0.3872



14.5717, 0.3163, 0.3096



11.6847, 0.3681, 0.1801

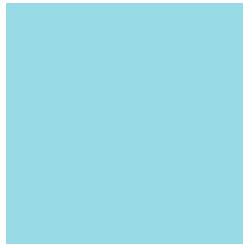


0.8745, 0.3600, 0.1757



# Previews

## White Background



This preview shows how the Yxy color 62.6846, 0.2628, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

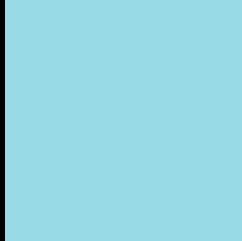
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6846, 0.2628, 0.3130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

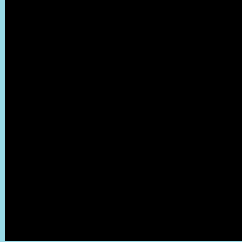
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6846, 0.2628, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6846, 0.2628, 0.3130.

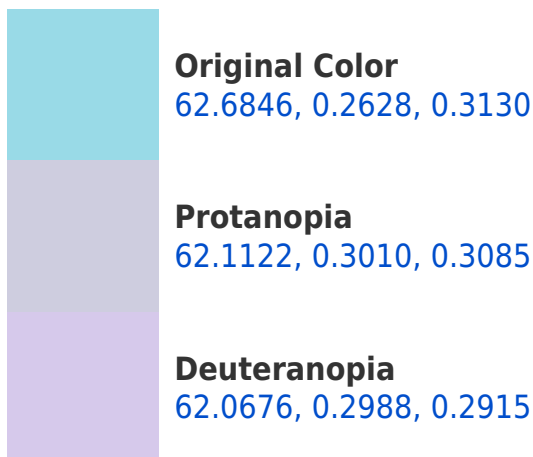


This preview shows how white text looks on a background with the Yxy color 62.6846, 0.2628, 0.3130.

# 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

62.4939, 0.2611, 0.3071

# Trichromacy



**Original Color**

62.6846, 0.2628, 0.3130

**Protanomaly**

62.1490, 0.2858, 0.3102

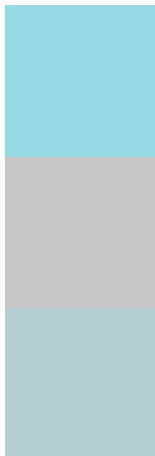
**Deuteranomaly**

61.7726, 0.2841, 0.2979

**Tritanomaly**

62.4362, 0.2616, 0.3083

# Monochromacy



**Original Color**

62.6846, 0.2628, 0.3130

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

59.3961, 0.2925, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6846, 0.2628, 0.3130 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, 218, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 218, 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(153, 218, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 218, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6846, 0.2628, 0.3130 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, 218, 231) }
```

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

```
.border{ border-color:rgb(153, 218, 231) }
```

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

Here you see how a box with a 4 pixel rgb(153, 218, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 218, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 218, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 218,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6846, 0.2628, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 218, 231) }
```

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

```
.background{ background-color: rgb(153,  
218, 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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