

# Converting Colors

$Yxy(61.6620, 0.2607, 0.3176)$

Have a look what the booklet for  
Yxy(61.6620, 0.2607, 0.3176)  
contains.

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# Color

**Yxy(61.7086, 0.2606, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91DAE3
RGB	145, 218, 227
RGB Percent	57%, 85%, 89%
CMY	0.4312, 0.1451, 0.1098
CMYK	0.36, 0.04, 0.00, 0.11
HSL	187°, 59%, 73%
HSV	187°, 36%, 89%
XYZ	50.6178, 61.7086, 81.9091
YIQ	197.1990, -46.3970, -12.6770

# Conversions

## Conversions Part 2

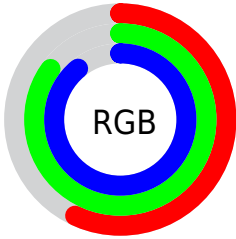
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 184, 227
Decimal	9558755
CIELab	82.76, -20.40, -11.62
CIELCh	83, 23.478, 209.672
Yxy	61.7086, 0.2606, 0.3177
Android (android.graphics.Color)	4287748835 (0xFF91DAE3)
YUV	197.1990, 14.6919, -45.7785
Hunter-Lab	78.5548, -22.4523, -6.8333

# Details

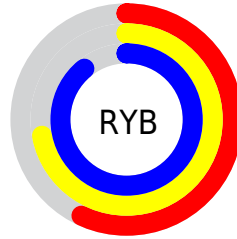
The Yxy color **61.7086, 0.2606, 0.3177** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4988, 0.3959, 0.3398**, and the grayscale version is **55.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **31.3466, 0.2479, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **58.5677, 0.2487, 0.3141**, and if you desaturate by 10%, it is **65.2858, 0.2739, 0.3211**.

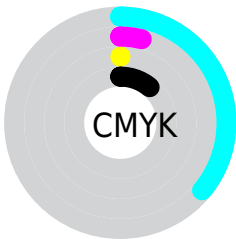
# Distribution



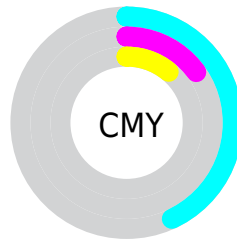
- Red (57%)
- Green (85%)
- Blue (89%)



- Red (57%)
- Yellow (72%)
- Blue (89%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (43%)
- Magenta (15%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7086, 0.2606, 0.3177 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 61.7086, 0.2606, 0.3177 by changing the saturation by 10% instead.




 61.7086, 0.2606,  
0.3177

 61.7086, 0.2606,  
0.3177

430.8674, 0.2850,  
0.3236

 44.7973, 0.2550,  
0.3162


 107.3043, 0.2691,  
0.3199

 31.2978, 0.2480,  
0.3142


 136.7574, 0.2724,  
0.3207

 20.8257, 0.2391,  
0.3116


171.1599, 0.2752,  
0.3214

 12.9967, 0.2275,  
0.3080

210.8963, 0.2777,  
0.3219

 7.4262, 0.2117,  
0.3025

256.3508, 0.2799,  
0.3224

 3.7301, 0.1889,  
0.2937

307.9079, 0.2818,

 1.5237, 0.1539,

0.3229

0.2776

365.9519, 0.2835,  
0.3232

0.3054, 0.0000,  
0.2089

0.0000, 0.0000,  
0.0000

61.7086, 0.2606,  
0.3177

61.7086, 0.2606,  
0.3177

58.5677, 0.2487,  
0.3141

65.2858, 0.2739,  
0.3211

55.8310, 0.2384,  
0.3104

69.3146, 0.2882,  
0.3243

53.4736, 0.2299,  
0.3065

73.8186, 0.3033,  
0.3273

51.4646, 0.2233,  
0.3027

78.8175, 0.3188,  
0.3300

■ 49.7678, 0.2186,  
0.2989

■ 83.6523, 0.3320,  
0.3325

■ 48.3384, 0.2157,  
0.2951

■ 85.0525, 0.3317,  
0.3350

■ 47.8239, 0.2149,  
0.2936

■ 86.4725, 0.3314,  
0.3374

■ 87.9126, 0.3311,  
0.3398

■ 89.3728, 0.3308,  
0.3423

# Harmonies

## Analogous

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



61.7086, 0.2776, 0.3463



61.7086, 0.2606, 0.3177



61.7086, 0.2569, 0.2942

# Triad

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



61.7086, 0.2606, 0.3177



61.7086, 0.3190, 0.2920



61.7086, 0.3591, 0.3775

# Complementary

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



61.7086, 0.2606, 0.3177



41.4988, 0.3959, 0.3398

# 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.



61.7086, 0.3717, 0.3602



61.7086, 0.2606, 0.3177



61.7086, 0.3481, 0.3117

# Square

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



61.7086, 0.2606, 0.3177



61.7086, 0.2895, 0.2809



61.7086, 0.3677, 0.3362



61.7086, 0.3342, 0.3821

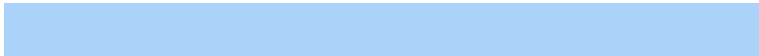


# Rectangle

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



61.7086, 0.2606, 0.3177



61.7086, 0.2623, 0.2843



61.7086, 0.3677, 0.3362



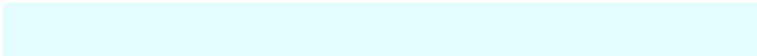
61.7086, 0.3650, 0.3728

# Sweetspot

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



61.7110, 0.2606, 0.3177



93.1143, 0.2957, 0.3259



63.2651, 0.3030, 0.4267



19.7602, 0.2937, 0.3255



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.



61.7110, 0.2606, 0.3177



77.3524, 0.2519, 0.3151



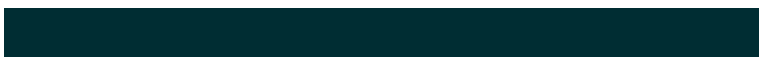
43.3397, 0.2532, 0.2649



16.0519, 0.2982, 0.3263



27.9997, 0.2151, 0.2942



2.1467, 0.2166, 0.2997



# Inverse Universe

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



41.6556, 0.3249, 0.2485



48.0869, 0.3279, 0.2332



57.0535, 0.3791, 0.3854



14.5865, 0.3155, 0.3083



12.0243, 0.3506, 0.1705

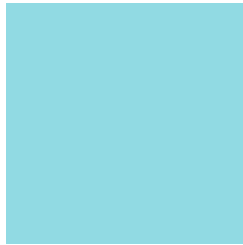


0.8964, 0.3457, 0.1678



# Previews

## White Background



This preview shows how the Yxy color 61.7086, 0.2606, 0.3177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

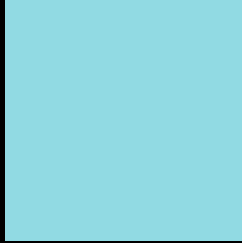
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7086, 0.2606, 0.3177 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 61.7086, 0.2606, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7086, 0.2606, 0.3177.

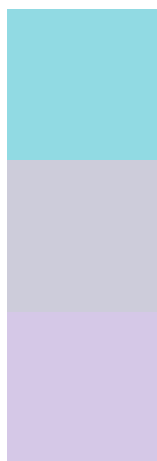


This preview shows how white text looks on a background with the Yxy color 61.7086, 0.2606, 0.3177.

# 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

61.7086, 0.2606, 0.3177

### Protanopia

61.2268, 0.3037, 0.3129

### Deuteranopia

61.2242, 0.3008, 0.2945



## Tritanopia

61.7693, 0.2578, 0.3081

# Trichromacy



**Original Color**

61.7086, 0.2606, 0.3177

**Protanomaly**

60.8887, 0.2862, 0.3147

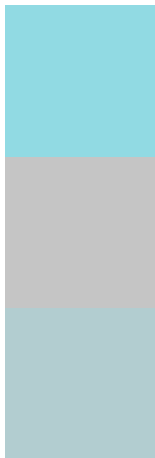
**Deuteranomaly**

61.0302, 0.2839, 0.3022

**Tritanomaly**

61.5062, 0.2588, 0.3116

# Monochromacy



**Original Color**

61.7086, 0.2606, 0.3177

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

57.6817, 0.2908, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7086, 0.2606, 0.3177 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(145, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(145, 218, 227)  
}
```

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(145, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 218, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7086, 0.2606, 0.3177 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(145, 218, 227) }
```

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

```
.border{ border-color:rgb(145, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 218, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 218, 227); box-shadow:4px 4px 4px 4px rgb(145, 218, 227) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7086, 0.2606, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 218, 227) }
```

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

```
.background{ background-color: rgb(145,  
218, 227) }
```

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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