

# Converting Colors

$Y_{xy}(62.3239, 0.2546, 0.3092)$

Have a look what the booklet for  
Yxy(62.3239, 0.2546, 0.3092)  
contains.

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# Color

**Yxy(62.3239, 0.2546, 0.3092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DDBEB
RGB	141, 219, 235
RGB Percent	55%, 86%, 92%
CMY	0.4468, 0.1412, 0.0784
CMYK	0.40, 0.07, 0.00, 0.08
HSL	190°, 70%, 74%
HSV	190°, 40%, 92%
XYZ	51.3185, 62.3239, 87.9227
YIQ	197.5020, -51.6240, -11.5600

# Conversions

## Conversions Part 2

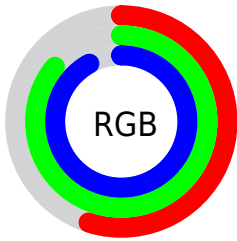
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 184, 235
Decimal	9296875
CIELab	83.09, -19.95, -15.40
CIELCh	83, 25.204, 217.677
Yxy	62.3239, 0.2546, 0.3092
Android (android.graphics.Color)	4287486955 (0xFF8DDBEB)
YUV	197.5020, 18.4865, -49.5523
Hunter-Lab	78.9455, -22.1208, -10.7702

# Details

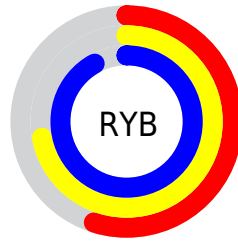
The Yxy color **62.3239, 0.2546, 0.3092** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7240, 0.4064, 0.3475**, and the grayscale version is **56.0723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **31.7369, 0.2411, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **58.4148, 0.2426, 0.3034**, and if you desaturate by 10%, it is **66.7252, 0.2679, 0.3147**.

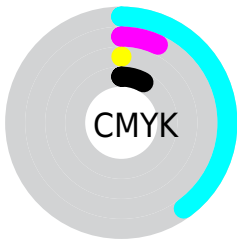
# Distribution



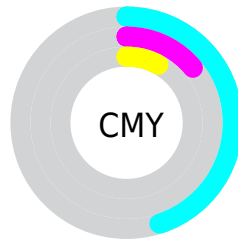
- Red (55%)
- Green (86%)
- Blue (92%)



- Red (55%)
- Yellow (72%)
- Blue (92%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)




- Cyan (45%)
- Magenta (14%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3239, 0.2546, 0.3092 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 62.3239, 0.2546, 0.3092 by changing the saturation by 10% instead.





 62.3239, 0.2546,  
0.3092

 62.3239, 0.2546,  
0.3092

433.1116, 0.2816,  
0.3192

 45.2945, 0.2484,  
0.3067


 108.1935, 0.2640,  
0.3128

 31.6894, 0.2408,  
0.3036


 137.8025, 0.2676,  
0.3142

 21.1244, 0.2311,  
0.2994


172.3734, 0.2708,  
0.3153

 13.2150, 0.2185,  
0.2937

212.2908, 0.2735,  
0.3163

 7.5767, 0.2015,  
0.2854

257.9388, 0.2759,  
0.3172

 3.8253, 0.1774,  
0.2724

309.7021, 0.2781,

 1.5763, 0.1414,

0.3179

0.2502

367.9649, 0.2799,  
0.3186

0.3416, 0.0000,  
0.1821

0.0000, 0.0000,  
0.0000

62.3239, 0.2546,  
0.3092

62.3239, 0.2546,  
0.3092

58.4148, 0.2426,  
0.3034

66.7252, 0.2679,  
0.3147

54.9625, 0.2322,  
0.2974

71.6371, 0.2823,  
0.3199

51.9378, 0.2236,  
0.2912

77.0861, 0.2973,  
0.3247

49.3050, 0.2169,  
0.2851

83.0942, 0.3128,  
0.3290

■ 47.0213, 0.2122,  
0.2789

■ 89.0008, 0.3259,  
0.3330

■ 45.0146, 0.2091,  
0.2728

■ 91.3718, 0.3255,  
0.3369

■ 45.0098, 0.2091,  
0.2728

■ 93.7951, 0.3251,  
0.3407

■ 96.2710, 0.3248,  
0.3445

■ 98.7783, 0.3244,  
0.3483

# Harmonies

## Analogous

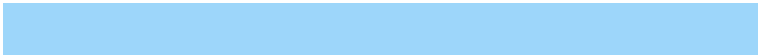
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3239, 0.2691, 0.3392



62.3239, 0.2546, 0.3092



62.3239, 0.2547, 0.2868

# Triad

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



62.3239, 0.2546, 0.3092



62.3239, 0.3282, 0.2944



62.3239, 0.3562, 0.3838

# Complementary

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



62.3239, 0.2546, 0.3092



43.7240, 0.4064, 0.3475

# 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.



62.3239, 0.3739, 0.3681



62.3239, 0.2546, 0.3092



62.3239, 0.3575, 0.3172

# Square

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



62.3239, 0.2546, 0.3092



62.3239, 0.2958, 0.2798



62.3239, 0.3746, 0.3436



62.3239, 0.3272, 0.3844



# Rectangle

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



62.3239, 0.2546, 0.3092



62.3239, 0.2630, 0.2787



62.3239, 0.3746, 0.3436



62.3239, 0.3637, 0.3799

# Sweetspot

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



62.3263, 0.2546, 0.3092



91.3695, 0.2942, 0.3237



67.5104, 0.2986, 0.4311



19.3684, 0.2922, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

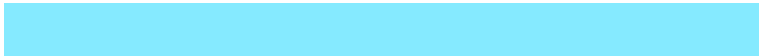


# Same Dimension

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



62.3263, 0.2546, 0.3092



71.1013, 0.2446, 0.3044



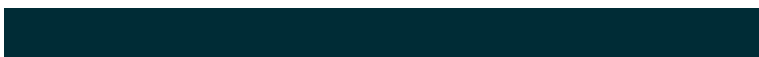
41.3136, 0.2451, 0.2481



16.6596, 0.2981, 0.3249



25.2147, 0.2094, 0.2738



2.0953, 0.2117, 0.2822



# Inverse Universe

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



41.8439, 0.3318, 0.2454



43.8745, 0.3368, 0.2293



62.6248, 0.3851, 0.3980



15.2671, 0.3164, 0.3097



12.0382, 0.3692, 0.1808

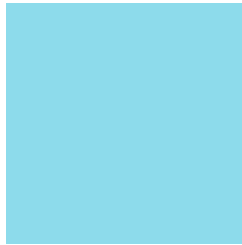


0.9569, 0.3614, 0.1765



# Previews

## White Background



This preview shows how the Yxy color 62.3239, 0.2546, 0.3092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

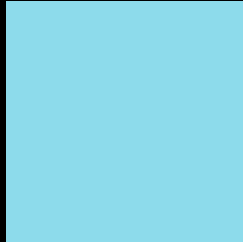
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3239, 0.2546, 0.3092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

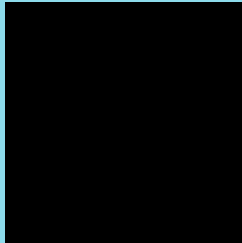
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3239, 0.2546, 0.3092**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3239, 0.2546, 0.3092.

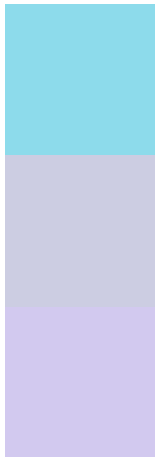


This preview shows how white text looks on a background with the Yxy color 62.3239, 0.2546, 0.3092.

# 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

62.3239, 0.2546, 0.3092

### Protanopia

61.9910, 0.2976, 0.3051

### Deuteranopia

61.7069, 0.2932, 0.2870



## Tritanopia

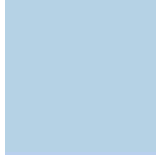
62.3819, 0.2541, 0.3080

# Trichromacy



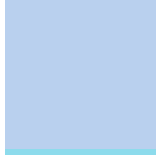
## Original Color

62.3239, 0.2546, 0.3092



## Protanomaly

61.5741, 0.2800, 0.3065



## Deuteranomaly

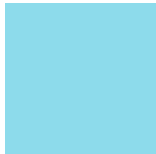
61.5991, 0.2771, 0.2943



## Tritanomaly

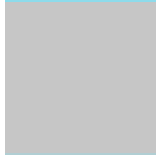
62.3819, 0.2541, 0.3080

# Monochromacy



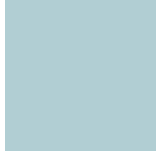
## Original Color

62.3239, 0.2546, 0.3092



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.1929, 0.2882, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3239, 0.2546, 0.3092 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(141, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(141, 219, 235)  
}
```

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(141, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 219, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3239, 0.2546, 0.3092 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(141, 219, 235) }
```

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

```
.border{ border-color:rgb(141, 219, 235) }
```

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

Here you see how a box with a 4 pixel rgb(141, 219, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(141, 219,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3239, 0.2546, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 219, 235) }
```

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

```
.background{ background-color: rgb(141,  
219, 235) }
```

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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