

# Converting Colors

$Y_{xy}(60.7572, 0.2549, 0.3175)$

Have a look what the booklet for  
Yxy(60.7572, 0.2549, 0.3175)  
contains.

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# Color

**Yxy(60.7572, 0.2549, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86DAE3
RGB	134, 218, 227
RGB Percent	53%, 85%, 89%
CMY	0.4741, 0.1451, 0.1098
CMYK	0.41, 0.04, 0.00, 0.11
HSL	186°, 62%, 71%
HSV	186°, 41%, 89%
XYZ	48.7780, 60.7572, 81.8261
YIQ	193.9100, -52.9530, -15.0090

# Conversions

## Conversions Part 2

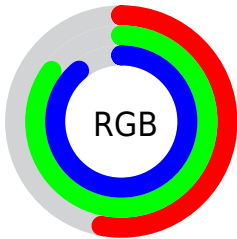
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 178, 227
Decimal	8837859
CIELab	82.25, -23.17, -12.44
CIELCh	82, 26.299, 208.231
Yxy	60.7572, 0.2549, 0.3175
Android (android.graphics.Color)	4287027939 (0xFF86DAE3)
YUV	193.9100, 16.3134, -52.5411
Hunter-Lab	77.9469, -24.7045, -7.6778

# Details

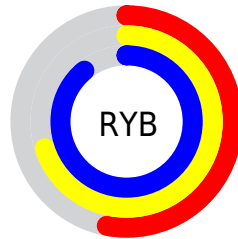
The Yxy color **60.7572, 0.2549, 0.3175** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.7288, 0.4128, 0.3399**, and the grayscale version is **53.8308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **30.7507, 0.2407, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **57.9550, 0.2439, 0.3143**, and if you desaturate by 10%, it is **63.9797, 0.2675, 0.3206**.

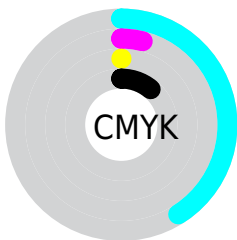
# Distribution



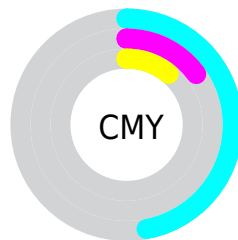
- Red (53%)
- Green (85%)
- Blue (89%)



- Red (53%)
- Yellow (70%)
- Blue (89%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (47%)
- Magenta (15%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7572, 0.2549, 0.3175 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 60.7572, 0.2549, 0.3175 by changing the saturation by 10% instead.




 60.7572, 0.2549,  
0.3175

 60.7572, 0.2549,  
0.3175


427.3832, 0.2820,  
0.3236


 44.0292, 0.2487,  
0.3159


 105.9273, 0.2643,  
0.3198

 30.6935, 0.2409,  
0.3138


 135.1382, 0.2680,  
0.3206

 20.3656, 0.2311,  
0.3110


 169.2790, 0.2711,  
0.3213

 12.6611, 0.2183,  
0.3071

208.7339, 0.2739,  
0.3219

 7.1956, 0.2008,  
0.3011

253.8874, 0.2763,  
0.3224

 3.5847, 0.1758,  
0.2914

305.1238, 0.2784,

 1.4441, 0.1370,

0.3229

0.2736

362.8276, 0.2803,  
0.3233

0.2489, 0.0000,  
0.1777

0.0000, 0.0000,  
0.0000

60.7572, 0.2549,  
0.3175

60.7572, 0.2549,  
0.3175

57.9550, 0.2439,  
0.3143

63.9797, 0.2675,  
0.3206

55.5400, 0.2346,  
0.3109


67.6390, 0.2812,  
0.3235

53.4857, 0.2272,  
0.3076


71.7593, 0.2959,  
0.3263

51.7591, 0.2217,  
0.3042

76.3607, 0.3113,  
0.3288


 50.3204, 0.2181,  
0.3009


 81.4625, 0.3269,  
0.3311

 49.2042, 0.2161,  
0.2979

 84.0662, 0.3319,  
0.3332

 85.3072, 0.3316,  
0.3354

 86.5638, 0.3314,  
0.3375

 87.8359, 0.3311,  
0.3397

# Harmonies

## Analogous

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



60.7572, 0.2744, 0.3500



60.7572, 0.2549, 0.3175



60.7572, 0.2501, 0.2907

# Triad

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



60.7572, 0.2549, 0.3175



60.7572, 0.3180, 0.2867



60.7572, 0.3659, 0.3828

# Complementary

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



60.7572, 0.2549, 0.3175



37.7288, 0.4128, 0.3399

# 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.



60.7572, 0.3794, 0.3625



60.7572, 0.2549, 0.3175



60.7572, 0.3511, 0.3083

# Square

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



60.7572, 0.2549, 0.3175



60.7572, 0.2851, 0.2750



60.7572, 0.3741, 0.3354



60.7572, 0.3383, 0.3892

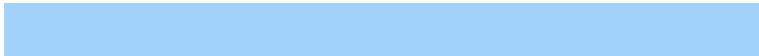


# Rectangle

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



60.7572, 0.2549, 0.3175



60.7572, 0.2556, 0.2794



60.7572, 0.3741, 0.3354



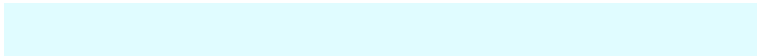
60.7572, 0.3723, 0.3772

# Sweetspot

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



60.7596, 0.2549, 0.3175



92.7732, 0.2942, 0.3260



61.9603, 0.3026, 0.4445



19.7008, 0.2922, 0.3256



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.



60.7596, 0.2549, 0.3175



76.0033, 0.2455, 0.3148



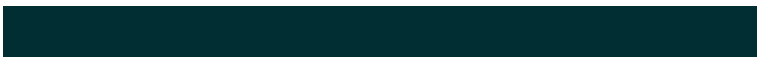
40.4333, 0.2452, 0.2567



16.0849, 0.2982, 0.3267



28.7926, 0.2162, 0.2984



2.1974, 0.2176, 0.3032



# Inverse Universe

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



38.4676, 0.3258, 0.2370



43.7028, 0.3289, 0.2198



54.1432, 0.3905, 0.3913



14.5899, 0.3153, 0.3080



12.1044, 0.3469, 0.1684

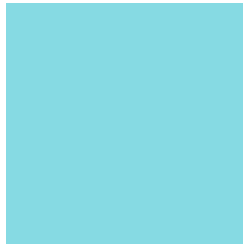


0.9015, 0.3426, 0.1661



# Previews

## White Background



This preview shows how the Yxy color 60.7572, 0.2549, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

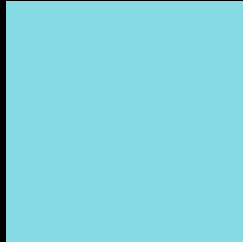
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7572, 0.2549, 0.3175 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 60.7572, 0.2549, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7572, 0.2549, 0.3175.

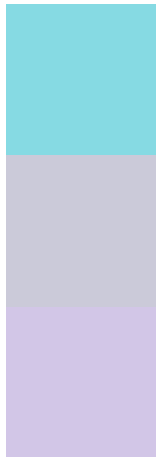


This preview shows how white text looks on a background with the Yxy color 60.7572, 0.2549, 0.3175.

# 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

60.7572, 0.2549, 0.3175

### Protanopia

59.9473, 0.3029, 0.3116

### Deuteranopia

59.8593, 0.2985, 0.2920



## Tritanopia

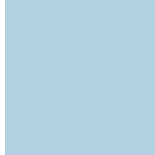
60.8005, 0.2522, 0.3077

# Trichromacy



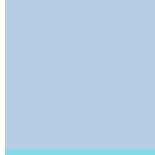
## Original Color

60.7572, 0.2549, 0.3175



## Protanomaly

59.7972, 0.2827, 0.3133



## Deuteranomaly

59.3209, 0.2797, 0.2994



## Tritanomaly

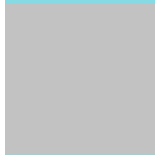
60.5461, 0.2531, 0.3113

# Monochromacy



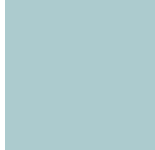
## Original Color

60.7572, 0.2549, 0.3175



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

55.9388, 0.2878, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7572, 0.2549, 0.3175 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(134, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 218, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7572, 0.2549, 0.3175 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(134, 218, 227) }
```

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

```
.border{ border-color:rgb(134, 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(134, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(134, 218,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7572, 0.2549, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 218, 227) }
```

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

```
.background{ background-color: rgb(134,  
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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