

# Converting Colors

$Yxy(60.6735, 0.2635, 0.3150)$

Have a look what the booklet for  
Yxy(60.6735, 0.2635, 0.3150)  
contains.

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# Color

**Yxy(60.6712, 0.2639, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97D7E2
RGB	151, 215, 226
RGB Percent	59%, 84%, 89%
CMY	0.4080, 0.1568, 0.1138
CMYK	0.33, 0.05, 0.00, 0.11
HSL	189°, 56%, 74%
HSV	189°, 33%, 89%
XYZ	50.7806, 60.6712, 80.9719
YIQ	197.1180, -41.6750, -10.1470

# Conversions

## Conversions Part 2

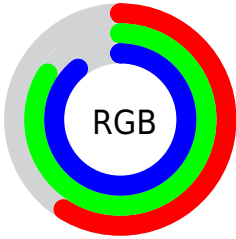
Format	Color
R <sub>YB</sub>	151, 186, 226
Decimal	9951202
CIE Lab	82.20, -17.57, -11.89
CIE LCh	82, 21.209, 214.083
Yxy	60.6712, 0.2639, 0.3153
Android (android.graphics.Color)	4288141282 (0xFF97D7E2)
YUV	197.1180, 14.2388, -40.4455
Hunter-Lab	77.8917, -19.9395, -7.1104

# Details

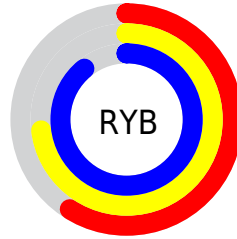
The Yxy color **60.6712, 0.2639, 0.3153** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2086, 0.3858, 0.3421**, and the grayscale version is **55.8354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **30.6233, 0.2520, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **57.0505, 0.2512, 0.3105**, and if you desaturate by 10%, it is **64.7450, 0.2778, 0.3198**.

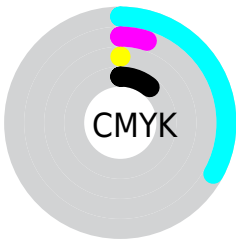
# Distribution



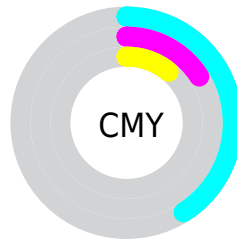
- Red (59%)
- Green (84%)
- Blue (89%)



- Red (59%)
- Yellow (73%)
- Blue (89%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)




- Cyan (41%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6712, 0.2639, 0.3153 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 60.6712, 0.2639, 0.3153 by changing the saturation by 10% instead.




 60.6712, 0.2639,  
0.3153


 60.6712, 0.2639,  
0.3153


427.0674, 0.2868,  
0.3223

 43.9599, 0.2586,  
0.3135


 105.8027, 0.2719,  
0.3178

 30.6390, 0.2520,  
0.3113


 134.9917, 0.2750,  
0.3188

 20.3241, 0.2436,  
0.3083

169.1087, 0.2777,  
0.3196

 12.6308, 0.2325,  
0.3042

208.5380, 0.2800,  
0.3203

 7.1748, 0.2173,  
0.2980

253.6642, 0.2820,  
0.3209

 3.5717, 0.1953,  
0.2883

304.8716, 0.2838,

 1.4370, 0.1611,

0.3214

0.2707

362.5445, 0.2854,  
0.3219

0.2437, 0.0000,  
0.1811

0.0000, 0.0000,  
0.0000

60.6712, 0.2639,  
0.3153

60.6712, 0.2639,  
0.3153

57.0505, 0.2512,  
0.3105

64.7450, 0.2778,  
0.3198

53.8516, 0.2400,  
0.3055

69.2868, 0.2925,  
0.3240

51.0508, 0.2305,  
0.3004

74.3195, 0.3078,  
0.3278

48.6183, 0.2228,  
0.2952

79.8623, 0.3233,  
0.3313

■ 46.5202, 0.2171,  
0.2900

■ 84.1985, 0.3325,  
0.3346

■ 44.7152, 0.2133,  
0.2848

■ 86.0703, 0.3321,  
0.3378

■ 43.6109, 0.2115,  
0.2813

■ 87.9772, 0.3317,  
0.3410

■ 89.9194, 0.3314,  
0.3443

■ 91.8971, 0.3310,  
0.3474

# Harmonies

## Analogous

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



60.6712, 0.2778, 0.3409



60.6712, 0.2639, 0.3153



60.6712, 0.2624, 0.2950

# Triad

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



60.6712, 0.2639, 0.3153



60.6712, 0.3226, 0.2974



60.6712, 0.3522, 0.3745

# Complementary

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



60.6712, 0.2639, 0.3153



44.2086, 0.3858, 0.3421

# 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.



60.6712, 0.3655, 0.3604



60.6712, 0.2639, 0.3153



60.6712, 0.3482, 0.3164

# Square

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



60.6712, 0.2639, 0.3153



60.6712, 0.2953, 0.2860



60.6712, 0.3641, 0.3391



60.6712, 0.3285, 0.3764



# Rectangle

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



60.6712, 0.2639, 0.3153



60.6712, 0.2686, 0.2870



60.6712, 0.3641, 0.3391



60.6712, 0.3581, 0.3710

# Sweetspot

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



60.6736, 0.2639, 0.3153



93.1257, 0.2972, 0.3252



63.5288, 0.3023, 0.4141



19.7374, 0.2951, 0.3247



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.



60.6736, 0.2639, 0.3153



76.3676, 0.2548, 0.3120



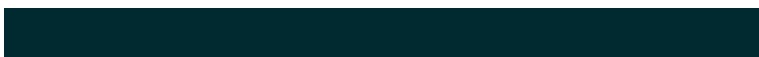
44.0886, 0.2578, 0.2675



15.2130, 0.2982, 0.3255



25.0209, 0.2117, 0.2821



1.8287, 0.2139, 0.2901



# Inverse Universe

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



43.1894, 0.3262, 0.2576



50.3393, 0.3298, 0.2428



59.0017, 0.3720, 0.3834



13.8994, 0.3160, 0.3092



11.4339, 0.3615, 0.1765

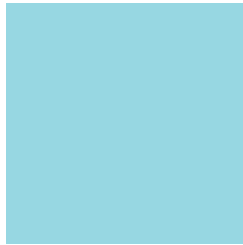


0.8021, 0.3543, 0.1725



# Previews

## White Background



This preview shows how the Yxy color 60.6712, 0.2639, 0.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

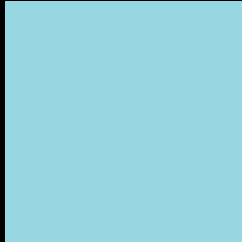
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6712, 0.2639, 0.3153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

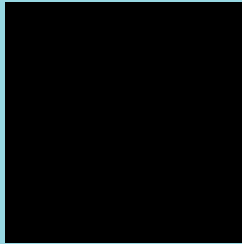
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.6712, 0.2639, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6712, 0.2639, 0.3153.

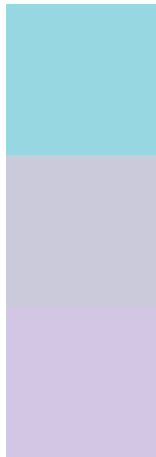


This preview shows how white text looks on a background with the Yxy color 60.6712, 0.2639, 0.3153.

# 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

60.6712, 0.2639, 0.3153

### Protanopia

59.9995, 0.3022, 0.3105

### Deuteranopia

59.8942, 0.3007, 0.2942



## Tritanopia

60.5381, 0.2616, 0.3080

# Trichromacy



**Original Color**

60.6712, 0.2639, 0.3153

**Protanomaly**

60.0365, 0.2868, 0.3123

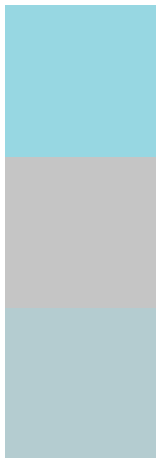
**Deuteranomaly**

59.6060, 0.2856, 0.3009

**Tritanomaly**

60.4257, 0.2627, 0.3104

# Monochromacy



**Original Color**

60.6712, 0.2639, 0.3153

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

57.4431, 0.2922, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6712, 0.2639, 0.3153 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(151, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(151, 215, 226)  
}
```

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(151, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 215, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6712, 0.2639, 0.3153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

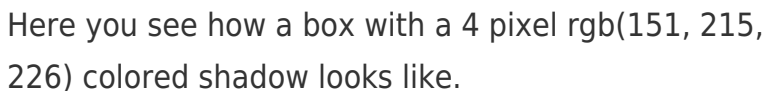
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 215, 226) }
```

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

```
.border{ border-color:rgb(151, 215, 226) }
```

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



Here you see how a box with a 4 pixel rgb(151, 215, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 215, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 215, 226); box-shadow:4px 4px 4px 4px rgb(151, 215, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6712, 0.2639, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 215, 226) }
```

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

```
.background{ background-color: rgb(151,  
215, 226) }
```

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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