

# Converting Colors

$Yxy(60.5723, 0.2621, 0.2988)$

Have a look what the booklet for  
Yxy(60.5723, 0.2621, 0.2988)  
contains.

<b>Yxy(60.5723, 0.2621, 0.2988)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.5723, 0.2621, 0.2988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD4ED
RGB	159, 212, 237
RGB Percent	62%, 83%, 93%
CMY	0.3763, 0.1686, 0.0706
CMYK	0.33, 0.11, 0.00, 0.07
HSL	199°, 68%, 78%
HSV	199°, 33%, 93%
XYZ	53.1325, 60.5723, 89.0137
YIQ	199.0030, -39.6130, -3.4610

# Conversions

## Conversions Part 2

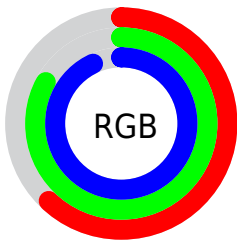
Format	Color
R <sub>YB</sub>	159, 191, 237
Decimal	10474733
CIE <sub>Lab</sub>	82.15, -11.17, -17.79
CIE <sub>LCh</sub>	82, 21.002, 237.881
Yxy	60.5723, 0.2621, 0.2988
Android (android.graphics.Color)	4288664813 (0xFF9FD4ED)
YUV	199.0030, 18.7325, -35.0826
Hunter-Lab	77.8282, -14.3392, -13.3314

# Details

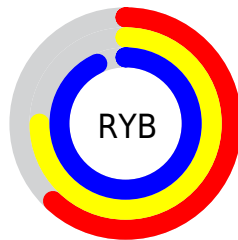
The Yxy color **60.5723, 0.2621, 0.2988** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8078, 0.3801, 0.3571**, and the grayscale version is **57.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **30.4534, 0.2500, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **54.6675, 0.2476, 0.2879**, and if you desaturate by 10%, it is **67.1254, 0.2773, 0.3089**.

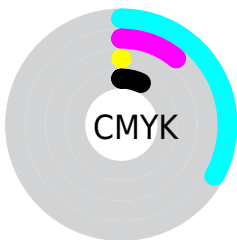
# Distribution



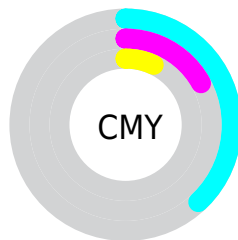
- Red (62%)
- Green (83%)
- Blue (93%)



- Red (62%)
- Yellow (75%)
- Blue (93%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)




- Cyan (38%)
- Magenta (17%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5723, 0.2621, 0.2988 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 60.5723, 0.2621, 0.2988 by changing the saturation by 10% instead.




 60.5723, 0.2621,  
0.2988


 60.5723, 0.2621,  
0.2988


426.7041, 0.2858,  
0.3135

 43.8801, 0.2566,  
0.2953


 105.6594, 0.2704,  
0.3040

 30.5763, 0.2498,  
0.2908


 134.8231, 0.2736,  
0.3060

 20.2764, 0.2412,  
0.2851


168.9128, 0.2764,  
0.3077

 12.5961, 0.2299,  
0.2773

208.3127, 0.2788,  
0.3092

 7.1510, 0.2144,  
0.2663

253.4075, 0.2809,  
0.3105

 3.5567, 0.1923,  
0.2499

304.5813, 0.2827,

 1.4288, 0.1585,

0.3116

0.2227

362.2187, 0.2844,  
0.3126

0.2378, 0.0000,  
0.1288

0.0000, 0.0000,  
0.0000

60.5723, 0.2621,  
0.2988

60.5723, 0.2621,  
0.2988

54.6675, 0.2476,  
0.2879

67.1254, 0.2773,  
0.3089

49.3747, 0.2342,  
0.2764

74.3464, 0.2927,  
0.3183

44.6645, 0.2222,  
0.2643

82.2630, 0.3083,  
0.3267

40.5015, 0.2119,  
0.2520

90.8987, 0.3235,  
0.3343

■ 36.8450, 0.2037,  
0.2396

■ 95.7481, 0.3236,  
0.3416

■ 33.6465, 0.1975,  
0.2274

■ 98.8946, 0.3232,  
0.3464

■ 31.6011, 0.1941,  
0.2189

# Harmonies

## Analogous

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



60.5723, 0.2662, 0.3205



60.5723, 0.2621, 0.2988



60.5723, 0.2707, 0.2864

# Triad

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



60.5723, 0.2621, 0.2988



60.5723, 0.3431, 0.3122



60.5723, 0.3337, 0.3768

# Complementary

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



60.5723, 0.2621, 0.2988



54.8078, 0.3801, 0.3571

# 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.



60.5723, 0.3556, 0.3721



60.5723, 0.2621, 0.2988



60.5723, 0.3614, 0.3343

# Square

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



60.5723, 0.2621, 0.2988



60.5723, 0.3168, 0.2946



60.5723, 0.3660, 0.3561



60.5723, 0.3069, 0.3673



# Rectangle

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



60.5723, 0.2621, 0.2988



60.5723, 0.2828, 0.2844



60.5723, 0.3660, 0.3561



60.5723, 0.3419, 0.3767

# Sweetspot

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



60.5747, 0.2621, 0.2988



90.3728, 0.2972, 0.3208



71.3941, 0.2944, 0.3949



19.0684, 0.2950, 0.3195



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

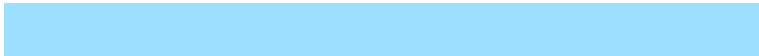


# Same Dimension

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



60.5747, 0.2621, 0.2988



67.0740, 0.2529, 0.2921



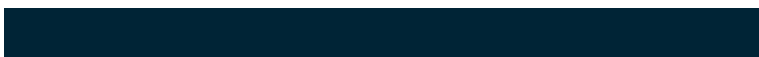
43.5028, 0.2559, 0.2496



16.2600, 0.2981, 0.3213



17.4999, 0.1947, 0.2209



1.5467, 0.1993, 0.2376



# Inverse Universe

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



47.5668, 0.3381, 0.2716



50.2195, 0.3445, 0.2606



73.1297, 0.3668, 0.3974



15.2268, 0.3187, 0.3131



11.2594, 0.4223, 0.2100

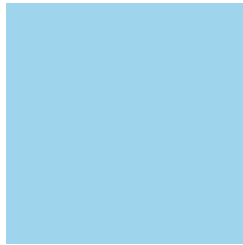


0.9016, 0.4047, 0.2003



# Previews

## White Background



This preview shows how the Yxy color 60.5723, 0.2621, 0.2988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

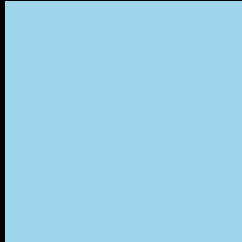
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.5723, 0.2621, 0.2988 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 60.5723, 0.2621, 0.2988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.5723, 0.2621, 0.2988.

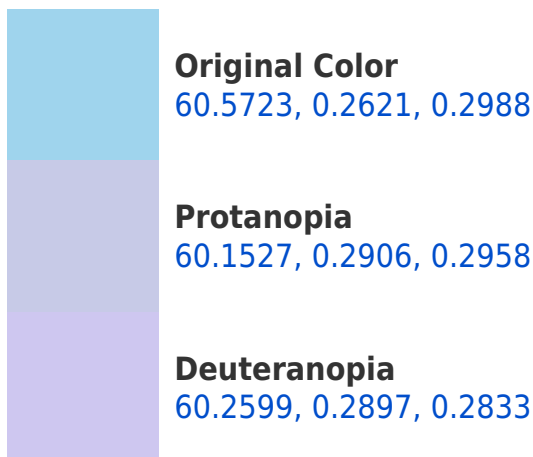


This preview shows how white text looks on a background with the Yxy color 60.5723, 0.2621, 0.2988.

# 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

60.4698, 0.2649, 0.3081

# Trichromacy



## Original Color

60.5723, 0.2621, 0.2988

## Protanomaly

60.2162, 0.2792, 0.2974

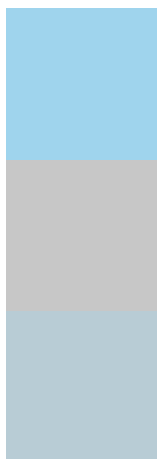
## Deuteranomaly

60.2365, 0.2788, 0.2887

## Tritanomaly

60.7408, 0.2638, 0.3046

# Monochromacy



## Original Color

60.5723, 0.2621, 0.2988

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.1802, 0.2918, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5723, 0.2621, 0.2988 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(159, 212, 237)` looks like.

```
.text, #text, p{  
    color:rgb(159, 212, 237)  
}
```

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(159, 212, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 212, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5723, 0.2621, 0.2988 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(159, 212, 237) }
```

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

```
.border{ border-color:rgb(159, 212, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 212, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 212, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 212, 237);  
box-shadow:4px 4px 4px 4px rgb(159, 212,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5723, 0.2621, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 212, 237) }
```

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

```
.background{ background-color: rgb(159,  
212, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor