

# Converting Colors

$Yxy(61.1128, 0.2532, 0.3192)$

Have a look what the booklet for  
Yxy(61.1128, 0.2532, 0.3192)  
contains.

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# Color

**Yxy(60.9549, 0.2531, 0.3187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82DBE3
RGB	130, 219, 227
RGB Percent	51%, 86%, 89%
CMY	0.4900, 0.1412, 0.1097
CMYK	0.43, 0.04, 0.00, 0.11
HSL	185°, 63%, 70%
HSV	185°, 43%, 89%
XYZ	48.4082, 60.9549, 81.8980
YIQ	193.3010, -55.6120, -16.3800

# Conversions

## Conversions Part 2

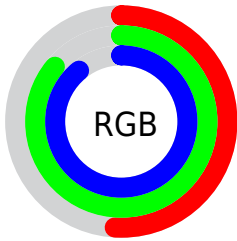
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 176, 227</a>
Decimal	<a href="#">8575971</a>
CIELab	<a href="#">82.35, -24.64, -12.31</a>
CIELCh	<a href="#">82, 27.548, 206.543</a>
Yxy	<a href="#">60.9549, 0.2531, 0.3187</a>
Android (android.graphics.Color)	<a href="#">4286766051 (0xFF82DBE3)</a>
YUV	<a href="#">193.3010, 16.6136, -55.5150</a>
Hunter-Lab	<a href="#">78.0736, -25.9530, -7.5427</a>

# Details

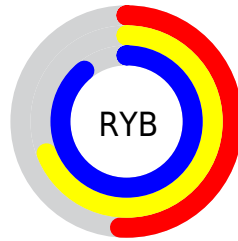
The Yxy color **60.9549, 0.2531, 0.3187** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1401, 0.4200, 0.3387**, and the grayscale version is **53.4462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **30.9072, 0.2386, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **58.3811, 0.2425, 0.3159**, and if you desaturate by 10%, it is **63.9405, 0.2653, 0.3214**.

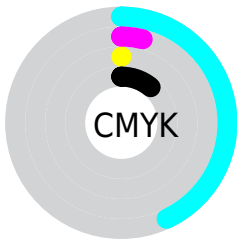
# Distribution



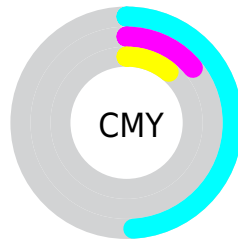
- Red (51%)
- Green (86%)
- Blue (89%)



- Red (51%)
- Yellow (69%)
- Blue (89%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (14%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9549, 0.2531, 0.3187 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 60.9549, 0.2531, 0.3187 by changing the saturation by 10% instead.





 60.9549, 0.2531,  
0.3187

 60.9549, 0.2531,  
0.3187


428.1086, 0.2810,  
0.3243


 44.1888, 0.2467,  
0.3172

 106.2136, 0.2628,  
0.3208

 30.8189, 0.2387,  
0.3153


 135.4750, 0.2666,  
0.3216

 20.4610, 0.2287,  
0.3127


 169.6703, 0.2698,  
0.3222

 12.7306, 0.2155,  
0.3089

209.1838, 0.2726,  
0.3227

 7.2433, 0.1976,  
0.3033

254.4000, 0.2751,  
0.3232

 3.6147, 0.1721,  
0.2939

305.7033, 0.2773,

 1.4605, 0.1323,

0.3236

0.2767

363.4780, 0.2792,  
0.3240

0.2607, 0.0000,  
0.1840

0.0000, 0.0000,  
0.0000

60.9549, 0.2531,  
0.3187

60.9549, 0.2531,  
0.3187

58.3811, 0.2425,  
0.3159

63.9405, 0.2653,  
0.3214

56.1856, 0.2337,  
0.3131

67.3549, 0.2788,  
0.3239

54.3412, 0.2269,  
0.3102

71.2223, 0.2933,  
0.3263

52.8140, 0.2219,  
0.3074

75.5633, 0.3085,  
0.3284

 51.5628, 0.2188,  
0.3046

 80.3972, 0.3241,  
0.3304

 50.7774, 0.2174,  
0.3026

 83.5459, 0.3320,  
0.3323

 84.5980, 0.3318,  
0.3341

 85.6614, 0.3316,  
0.3360

 86.7361, 0.3313,  
0.3378

# Harmonies

## Analogous

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



60.9549, 0.2742, 0.3528



60.9549, 0.2531, 0.3187



60.9549, 0.2472, 0.2902

# Triad

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



60.9549, 0.2531, 0.3187



60.9549, 0.3162, 0.2839



60.9549, 0.3696, 0.3843

# Complementary

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



60.9549, 0.2531, 0.3187



36.1401, 0.4200, 0.3387

# 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.



60.9549, 0.3828, 0.3624



60.9549, 0.2531, 0.3187



60.9549, 0.3511, 0.3059

# Square

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



60.9549, 0.2531, 0.3187



60.9549, 0.2821, 0.2724



60.9549, 0.3760, 0.3339



60.9549, 0.3412, 0.3922

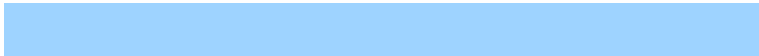


# Rectangle

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



60.9549, 0.2531, 0.3187



60.9549, 0.2523, 0.2779



60.9549, 0.3760, 0.3339



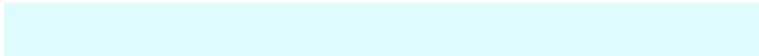
60.9549, 0.3760, 0.3782

# Sweetspot

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



60.9573, 0.2531, 0.3187



92.5093, 0.2927, 0.3262



61.4880, 0.3031, 0.4527



19.5513, 0.2894, 0.3257



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.



60.9573, 0.2531, 0.3187



76.4254, 0.2439, 0.3163



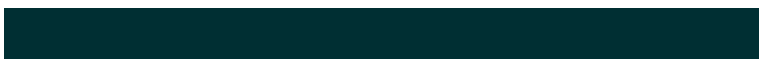
39.8248, 0.2425, 0.2552



16.1217, 0.2982, 0.3270



29.6920, 0.2175, 0.3030



2.2547, 0.2186, 0.3071



# Inverse Universe

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



37.4235, 0.3251, 0.2319



42.4611, 0.3280, 0.2145



52.6413, 0.3954, 0.3923



14.5936, 0.3150, 0.3077



12.1951, 0.3428, 0.1662

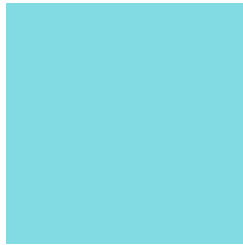


0.9073, 0.3392, 0.1642



# Previews

## White Background



This preview shows how the Yxy color 60.9549, 0.2531, 0.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

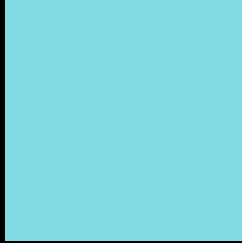
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.9549, 0.2531, 0.3187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

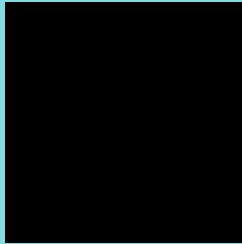
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.9549, 0.2531, 0.3187**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9549, 0.2531, 0.3187.

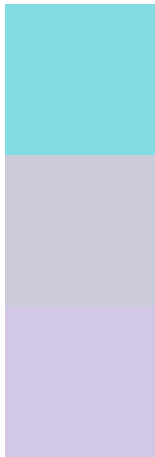


This preview shows how white text looks on a background with the Yxy color 60.9549, 0.2531, 0.3187.

# 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

60.9549, 0.2531, 0.3187

### Protanopia

60.5590, 0.3037, 0.3128

### Deuteranopia

60.4653, 0.2993, 0.2932



## Tritanopia

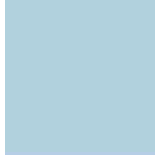
61.0465, 0.2499, 0.3077

# Trichromacy



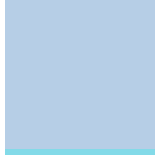
## Original Color

60.9549, 0.2531, 0.3187



## Protanomaly

60.1685, 0.2822, 0.3145



## Deuteranomaly

59.8009, 0.2797, 0.3006



## Tritanomaly

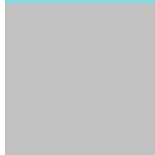
60.7943, 0.2509, 0.3113

# Monochromacy



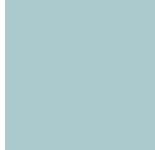
## Original Color

60.9549, 0.2531, 0.3187



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.1949, 0.2870, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9549, 0.2531, 0.3187 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(130, 219, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 219, 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(130, 219, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 219, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9549, 0.2531, 0.3187 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(130, 219, 227) }
```

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

```
.border{ border-color:rgb(130, 219, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 219, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 219, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 219, 227);  
box-shadow:4px 4px 4px 4px rgb(130, 219,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9549, 0.2531, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 219, 227) }
```

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

```
.background{ background-color: rgb(130,  
219, 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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