

# Converting Colors

$Yxy(60.1644, 0.2436, 0.3049)$

Have a look what the booklet for  
Yxy(60.1644, 0.2436, 0.3049)  
contains.

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# Color

**Yxy(60.2503, 0.2435, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78DAED
RGB	120, 218, 237
RGB Percent	47%, 85%, 93%
CMY	0.5293, 0.1451, 0.0707
CMYK	0.49, 0.08, 0.00, 0.07
HSL	190°, 76%, 70%
HSV	190°, 49%, 93%
XYZ	48.1015, 60.2503, 89.1902
YIQ	190.8640, -64.5070, -14.8670

# Conversions

## Conversions Part 2

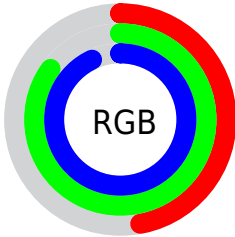
Format	Color
R <sub>YB</sub>	120, 173, 237
Decimal	7920365
CIE <sub>Lab</sub>	81.97, -23.85, -18.21
CIE <sub>LCh</sub>	82, 30.008, 217.366
Yxy	60.2503, 0.2435, 0.3050
Android (android.graphics.Color)	4286110445 (0xFF78DAED)
YUV	190.8640, 22.7450, -62.1477
Hunter-Lab	77.6211, -25.2211, -13.7922

# Details

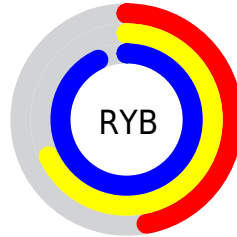
The Yxy color **60.2503, 0.2435, 0.3050** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.8182, 0.4405, 0.3504**, and the grayscale version is **51.9148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **30.4301, 0.2273, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **56.7922, 0.2331, 0.2993**, and if you desaturate by 10%, it is **64.1784, 0.2555, 0.3105**.

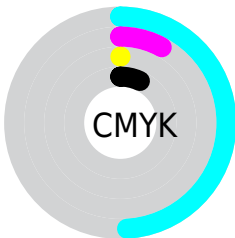
# Distribution



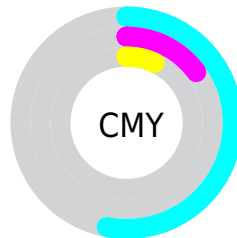
- Red (47%)
- Green (85%)
- Blue (93%)



- Red (47%)
- Yellow (68%)
- Blue (93%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)




- Cyan (53%)
- Magenta (15%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2503, 0.2435, 0.3050 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 60.2503, 0.2435, 0.3050 by changing the saturation by 10% instead.





 60.2503, 0.2435,  
0.3050


 60.2503, 0.2435,  
0.3050


425.5198, 0.2757,  
0.3173

 43.6204, 0.2362,  
0.3019


 105.1927, 0.2547,  
0.3095

 30.3722, 0.2271,  
0.2980


 134.2740, 0.2590,  
0.3112

 20.1213, 0.2157,  
0.2927


 168.2745, 0.2628,  
0.3126

 12.4832, 0.2009,  
0.2855

207.5787, 0.2660,  
0.3138

 7.0737, 0.1810,  
0.2750

252.5709, 0.2689,  
0.3148

 3.5082, 0.1533,  
0.2587

303.6355, 0.2714,

 1.4025, 0.1116,

0.3158

0.2310

361.1570, 0.2737,  
0.3166

■ 0.2185, 0.0000,  
0.1188

■ 0.0000, 0.0000,  
0.0000

■ 60.2503, 0.2435,  
0.3050

■ 60.2503, 0.2435,  
0.3050

■ 56.7922, 0.2331,  
0.2993

■ 64.1784, 0.2555,  
0.3105

■ 53.7654, 0.2245,  
0.2935


■ 68.5982, 0.2689,  
0.3157

■ 51.1360, 0.2178,  
0.2876

■ 73.5381, 0.2832,  
0.3206


■ 48.8610, 0.2131,  
0.2818


■ 79.0223, 0.2983,  
0.3251

 46.8728, 0.2101,  
0.2760


 85.0734, 0.3137,  
0.3293

 46.7481, 0.2099,  
0.2757

 90.3198, 0.3245,  
0.3330

 92.6198, 0.3241,  
0.3367

 94.9680, 0.3238,  
0.3404

 97.3649, 0.3234,  
0.3441

# Harmonies

## Analogous

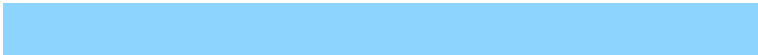
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.2503, 0.2607, 0.3415



60.2503, 0.2435, 0.3050



60.2503, 0.2435, 0.2784

# Triad

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



60.2503, 0.2435, 0.3050



60.2503, 0.3307, 0.2875



60.2503, 0.3650, 0.3947

# Complementary

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



60.2503, 0.2435, 0.3050



37.8182, 0.4405, 0.3504

# 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.



60.2503, 0.3864, 0.3750



60.2503, 0.2435, 0.3050



60.2503, 0.3664, 0.3143

# Square

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



60.2503, 0.2435, 0.3050



60.2503, 0.2918, 0.2705



60.2503, 0.3873, 0.3455



60.2503, 0.3301, 0.3964



# Rectangle

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



60.2503, 0.2435, 0.3050



60.2503, 0.2531, 0.2689



60.2503, 0.3873, 0.3455



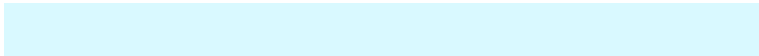
60.2503, 0.3741, 0.3897

# Sweetspot

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



60.2526, 0.2435, 0.3050



89.5594, 0.2896, 0.3226



66.3678, 0.2969, 0.4628



18.8812, 0.2865, 0.3216



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.



60.2526, 0.2435, 0.3050



67.1252, 0.2332, 0.2994



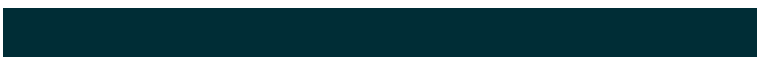
35.5817, 0.2287, 0.2275



16.6817, 0.2981, 0.3251



25.6940, 0.2102, 0.2766



2.1287, 0.2124, 0.2846



# Inverse Universe

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



36.5004, 0.3366, 0.2263



37.0188, 0.3427, 0.2093



58.8532, 0.4060, 0.4116



15.2694, 0.3163, 0.3095



12.0866, 0.3666, 0.1793

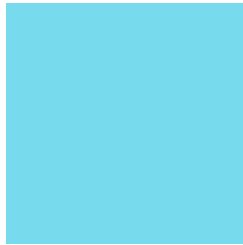


0.9603, 0.3592, 0.1753



# Previews

## White Background



This preview shows how the Yxy color 60.2503, 0.2435, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

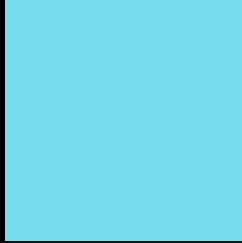
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2503, 0.2435, 0.3050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

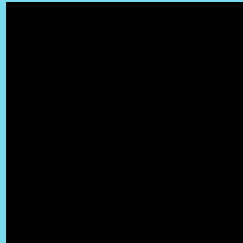
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2503, 0.2435, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2503, 0.2435, 0.3050.

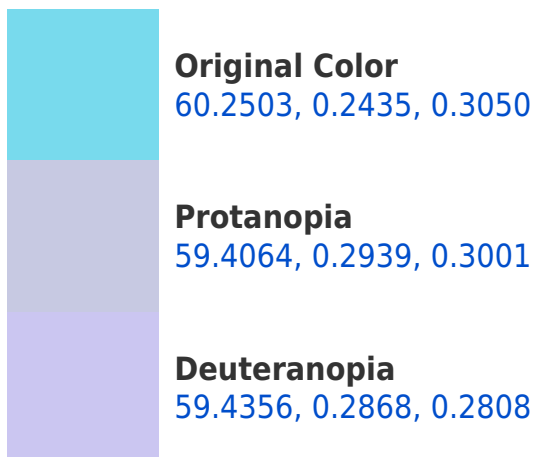


This preview shows how white text looks on a background with the Yxy color 60.2503, 0.2435, 0.3050.

# 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

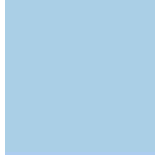
60.1920, 0.2439, 0.3062

# Trichromacy



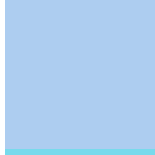
## Original Color

60.2503, 0.2435, 0.3050



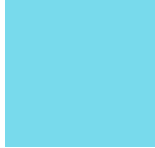
## Protanomaly

58.8849, 0.2720, 0.3012



## Deuteranomaly

58.8382, 0.2679, 0.2877



## Tritanomaly

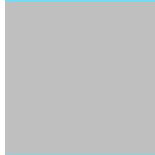
60.1920, 0.2439, 0.3062

# Monochromacy



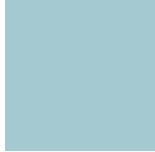
## Original Color

60.2503, 0.2435, 0.3050



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.3267, 0.2815, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2503, 0.2435, 0.3050 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(120, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(120, 218, 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(120, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 218, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2503, 0.2435, 0.3050 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(120, 218, 237) }
```

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

```
.border{ border-color:rgb(120, 218, 237) }
```

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

Here you see how a box with a 4 pixel rgb(120, 218, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(120, 218,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2503, 0.2435, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 218, 237) }
```

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

```
.background{ background-color: rgb(120,  
218, 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](#).

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