

# Converting Colors

$Yxy(62.5268, 0.2433, 0.3108)$

Have a look what the booklet for  
Yxy(62.5268, 0.2433, 0.3108)  
contains.

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# Color

**Yxy(62.6717, 0.2434, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75DFED
RGB	117, 223, 237
RGB Percent	46%, 87%, 93%
CMY	0.5416, 0.1254, 0.0705
CMYK	0.51, 0.06, 0.00, 0.07
HSL	187°, 77%, 69%
HSV	187°, 51%, 93%
XYZ	49.0019, 62.6717, 89.6489
YIQ	192.9020, -67.6700, -18.1180

# Conversions

## Conversions Part 2

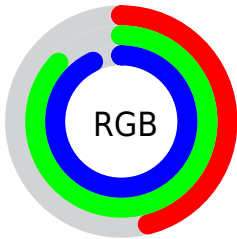
Format	Color
<a href="#">RYB</a>	<a href="#">117, 173, 237</a>
Decimal	<a href="#">7725037</a>
CIELab	<a href="#">83.27, -26.96, -16.30</a>
CIELCh	<a href="#">83, 31.505, 211.154</a>
Yxy	<a href="#">62.6717, 0.2434, 0.3113</a>
Android (android.graphics.Color)	<a href="#">4285915117 (0xFF75DFED)</a>
YUV	<a href="#">192.9020, 21.7403, -66.5661</a>
Hunter-Lab	<a href="#">79.1655, -28.0515, -11.7256</a>

# Details

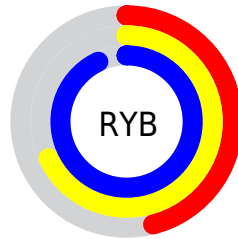
The Yxy color **62.6717, 0.2434, 0.3113** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4983, 0.4491, 0.3448**, and the grayscale version is **53.1560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **32.0715, 0.2274, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **59.7717, 0.2338, 0.3073**, and if you desaturate by 10%, it is **66.0161, 0.2547, 0.3152**.

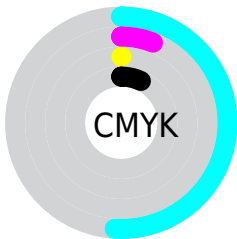
# Distribution



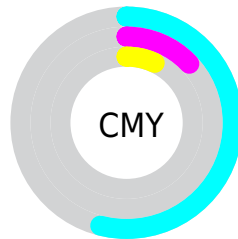
- Red (46%)
- Green (87%)
- Blue (93%)



- Red (46%)
- Yellow (68%)
- Blue (93%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)




- Cyan (54%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6717, 0.2434, 0.3113 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 62.6717, 0.2434, 0.3113 by changing the saturation by 10% instead.




 62.6717, 0.2434,  
0.3113

 62.6717, 0.2434,  
0.3113


434.3770, 0.2755,  
0.3206


 45.5757, 0.2361,  
0.3089


 108.6957, 0.2545,  
0.3147

 31.9111, 0.2272,  
0.3059


 138.3925, 0.2588,  
0.3160

 21.2936, 0.2159,  
0.3018


 173.0584, 0.2625,  
0.3171

 13.3388, 0.2014,  
0.2961

213.0776, 0.2658,  
0.3180

 7.6623, 0.1820,  
0.2877

258.8348, 0.2686,  
0.3187

 3.8796, 0.1550,  
0.2744

310.7141, 0.2712,

 1.6064, 0.1154,

0.3194

369.1001, 0.2734,  
0.3200

0.2512

0.3619, 0.0000,  
0.1796

0.0000, 0.0000,  
0.0000

62.6717, 0.2434,  
0.3113

62.6717, 0.2434,  
0.3113

59.7717, 0.2338,  
0.3073

66.0161, 0.2547,  
0.3152

57.2766, 0.2261,  
0.3032

69.8263, 0.2675,  
0.3190

55.1522, 0.2203,  
0.2990

74.1312, 0.2814,  
0.3225

53.3545, 0.2165,  
0.2950

78.9548, 0.2963,  
0.3258

■ 51.9053, 0.2142,  
0.2912

■ 84.3198, 0.3117,  
0.3288

■ 89.4582, 0.3246,  
0.3316

■ 91.0941, 0.3243,  
0.3342

■ 92.7549, 0.3241,  
0.3369

■ 94.4407, 0.3238,  
0.3396

# Harmonies

## Analogous

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



62.6717, 0.2645, 0.3501



62.6717, 0.2434, 0.3113



62.6717, 0.2397, 0.2811

# Triad

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



62.6717, 0.2434, 0.3113



62.6717, 0.3228, 0.2815



62.6717, 0.3729, 0.3940

# Complementary

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



62.6717, 0.2434, 0.3113



35.4983, 0.4491, 0.3448

# 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.



62.6717, 0.3912, 0.3707



62.6717, 0.2434, 0.3113



62.6717, 0.3616, 0.3074

# Square

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



62.6717, 0.2434, 0.3113



62.6717, 0.2834, 0.2665



62.6717, 0.3873, 0.3392



62.6717, 0.3388, 0.4005

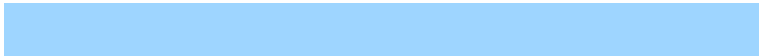


# Rectangle

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



62.6717, 0.2434, 0.3113



62.6717, 0.2472, 0.2691



62.6717, 0.3873, 0.3392



62.6717, 0.3812, 0.3877

# Sweetspot

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



62.6741, 0.2434, 0.3113



90.6409, 0.2897, 0.3244



65.9378, 0.2995, 0.4751



19.1442, 0.2866, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

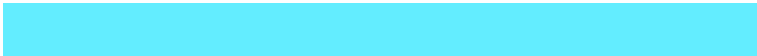


# Same Dimension

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



62.6741, 0.2434, 0.3113



70.3874, 0.2333, 0.3070



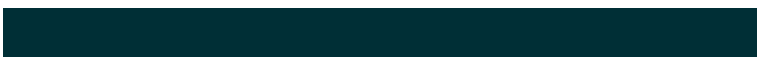
36.7833, 0.2280, 0.2325



16.8045, 0.2981, 0.3262



28.4592, 0.2144, 0.2919



2.3197, 0.2160, 0.2975



# Inverse Universe

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



36.0367, 0.3319, 0.2190



36.3756, 0.3367, 0.2007



55.6738, 0.4124, 0.4076



15.2818, 0.3156, 0.3084



12.3658, 0.3526, 0.1716

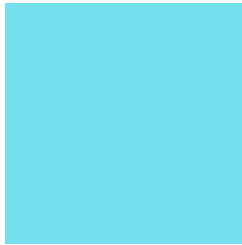


0.9796, 0.3476, 0.1689



# Previews

## White Background



This preview shows how the Yxy color 62.6717, 0.2434, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

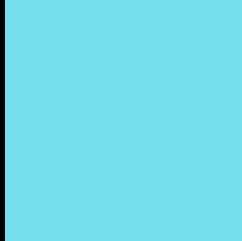
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6717, 0.2434, 0.3113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

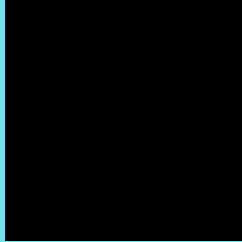
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6717, 0.2434, 0.3113**

## Background



This preview shows how black text looks on a background with the Yxy color 62.6717, 0.2434, 0.3113.

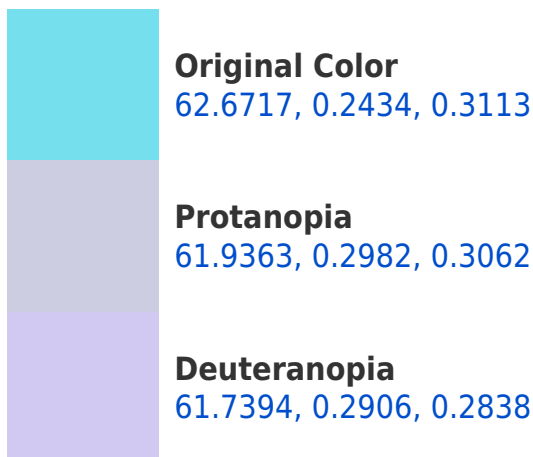


This preview shows how white text looks on a background with the Yxy color 62.6717, 0.2434, 0.3113.

# 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

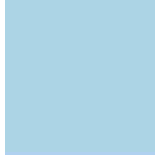
62.3854, 0.2423, 0.3064

# Trichromacy



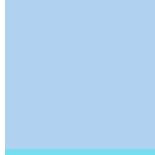
## Original Color

62.6717, 0.2434, 0.3113



## Protanomaly

61.5148, 0.2744, 0.3086



## Deuteranomaly

61.1223, 0.2703, 0.2927



## Tritanomaly

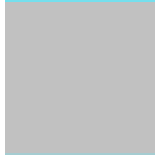
62.3261, 0.2427, 0.3076

# Monochromacy



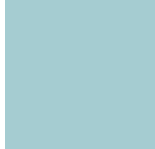
## Original Color

62.6717, 0.2434, 0.3113



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.7885, 0.2811, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6717, 0.2434, 0.3113 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(117, 223, 237)` looks like.

```
.text, #text, p{  
    color:rgb(117, 223, 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(117, 223, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 223, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6717, 0.2434, 0.3113 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(117, 223, 237) }
```

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

```
.border{ border-color:rgb(117, 223, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 223, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 223, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 223, 237); box-shadow:4px 4px 4px 4px rgb(117, 223, 237) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6717, 0.2434, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 223, 237) }
```

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

```
.background{ background-color: rgb(117,  
223, 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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