

# Converting Colors

$Y_{xy}(62.3900, 0.2373, 0.3160)$

Have a look what the booklet for  
Yxy(62.3900, 0.2373, 0.3160)  
contains.

<b>Yxy(62.3900, 0.2373, 0.3160)</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(62.3900, 0.2373, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61E1EB
RGB	97, 225, 235
RGB Percent	38%, 88%, 92%
CMY	0.6197, 0.1176, 0.0783
CMYK	0.59, 0.04, 0.00, 0.08
HSL	184°, 78%, 65%
HSV	184°, 59%, 92%
XYZ	46.8517, 62.3900, 88.1950
YIQ	187.8680, -79.4980, -24.0260

# Conversions

## Conversions Part 2

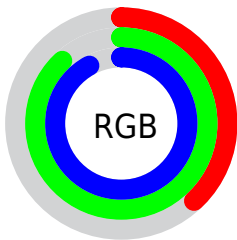
Format	Color
<b>RYB</b>	97, 163, 235
Decimal	6414827
CIELab	83.12, -32.27, -15.54
CIELCh	83, 35.817, 205.708
Yxy	62.3900, 0.2373, 0.3160
Android (android.graphics.Color)	4284604907 (0xFF61E1EB)
YUV	187.8680, 23.2361, -79.6912
Hunter-Lab	78.9873, -32.3497, -10.9104

# Details

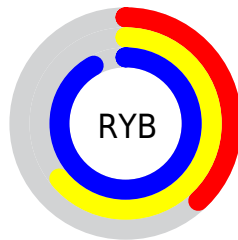
The Yxy color **62.3900, 0.2373, 0.3160** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.0475, 0.4879, 0.3399**, and the grayscale version is **50.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **31.6306, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **60.3685, 0.2298, 0.3135**, and if you desaturate by 10%, it is **64.8077, 0.2467, 0.3185**.

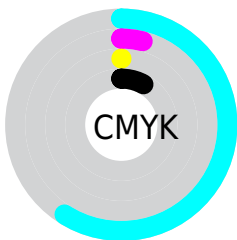
# Distribution



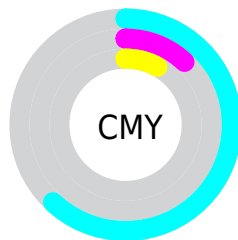
- Red (38%)
- Green (88%)
- Blue (92%)



- Red (38%)
- Yellow (64%)
- Blue (92%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)




- Cyan (62%)
- Magenta (12%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3900, 0.2373, 0.3160 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 62.3900, 0.2373, 0.3160 by changing the saturation by 10% instead.




 62.3900, 0.2373,  
0.3160

 62.3900, 0.2373,  
0.3160


433.3523, 0.2721,  
0.3232

 45.3479, 0.2294,  
0.3141


 108.2890, 0.2493,  
0.3187

 31.7315, 0.2197,  
0.3115


 137.9147, 0.2540,  
0.3197

 21.1565, 0.2076,  
0.3080


 172.5037, 0.2581,  
0.3206

 13.2385, 0.1919,  
0.3031

 212.4404, 0.2616,  
0.3213

 7.5930, 0.1710,  
0.2956

258.1092, 0.2647,  
0.3219

 3.8356, 0.1423,  
0.2833

309.8945, 0.2675,

 1.5820, 0.0981,

0.3224

0.2618

368.1808, 0.2699,  
0.3228

■ 0.3454, 0.0000,  
0.1820

■ 0.0000, 0.0000,  
0.0000

■ 62.3900, 0.2373,  
0.3160

■ 62.3900, 0.2373,  
0.3160

■ 60.3685, 0.2298,  
0.3135

■ 64.8077, 0.2467,  
0.3185

■ 58.7013, 0.2242,  
0.3110


■ 67.6453, 0.2578,  
0.3209


■ 57.3494, 0.2206,  
0.3085

■ 70.9326, 0.2705,  
0.3232


■ 56.2515, 0.2185,  
0.3061


■ 74.6950, 0.2844,  
0.3253

 56.1207, 0.2183,  
0.3058

 78.9556, 0.2992,  
0.3274

 83.7362, 0.3147,  
0.3292

 87.8035, 0.3261,  
0.3309

 88.7969, 0.3259,  
0.3326

 89.7997, 0.3257,  
0.3343

# Harmonies

## Analogous

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



62.3900, 0.2641, 0.3610



62.3900, 0.2373, 0.3160



62.3900, 0.2296, 0.2793

# Triad

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



62.3900, 0.2373, 0.3160



62.3900, 0.3154, 0.2715



62.3900, 0.3863, 0.3988

# Complementary

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



62.3900, 0.2373, 0.3160



29.0475, 0.4879, 0.3399

# 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.



62.3900, 0.4032, 0.3694



62.3900, 0.2373, 0.3160



62.3900, 0.3610, 0.2985

# Square

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



62.3900, 0.2373, 0.3160



62.3900, 0.2722, 0.2572



62.3900, 0.3941, 0.3333



62.3900, 0.3498, 0.4112

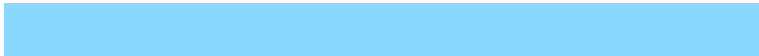


# Rectangle

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



62.3900, 0.2373, 0.3160



62.3900, 0.2356, 0.2639



62.3900, 0.3941, 0.3333



62.3900, 0.3945, 0.3904

# Sweetspot

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



62.3924, 0.2373, 0.3160



90.2005, 0.2853, 0.3255



63.0206, 0.3001, 0.5076



19.0079, 0.2812, 0.3249



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.



62.3924, 0.2373, 0.3160



72.2996, 0.2288, 0.3131



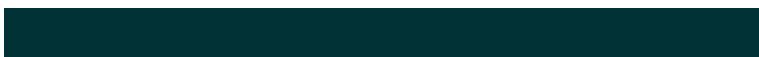
32.5870, 0.2162, 0.2205



16.9236, 0.2981, 0.3272



31.3049, 0.2184, 0.3062



2.5143, 0.2193, 0.3096



# Inverse Universe

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



31.6494, 0.3292, 0.1998



32.9107, 0.3327, 0.1828



49.2720, 0.4347, 0.4135



15.2938, 0.3149, 0.3074



12.6531, 0.3400, 0.1647

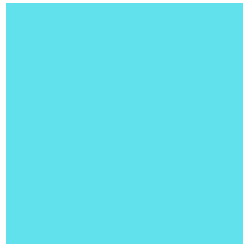


0.9992, 0.3371, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 62.3900, 0.2373, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

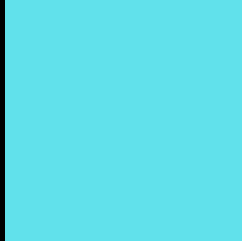
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3900, 0.2373, 0.3160 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 62.3900, 0.2373, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3900, 0.2373, 0.3160.



This preview shows how white text looks on a background with the Yxy color 62.3900, 0.2373, 0.3160.

# 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

62.3900, 0.2373, 0.3160

### Protanopia

61.2970, 0.3002, 0.3084

### Deuteranopia

61.6199, 0.2919, 0.2859



## Tritanopia

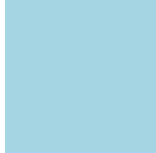
62.4314, 0.2351, 0.3062

# Trichromacy



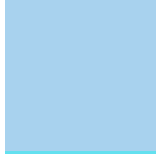
## Original Color

62.3900, 0.2373, 0.3160



## Protanomaly

60.6324, 0.2712, 0.3107



## Deuteranomaly

60.5911, 0.2666, 0.2957



## Tritanomaly

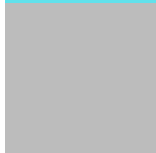
62.1960, 0.2360, 0.3098

# Monochromacy



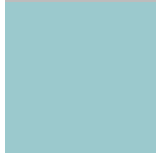
## Original Color

62.3900, 0.2373, 0.3160



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.1496, 0.2766, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3900, 0.2373, 0.3160 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(97, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(97, 225, 235)  
}
```

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(97, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 225, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3900, 0.2373, 0.3160 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(97, 225, 235) }
```

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

```
.border{ border-color:rgb(97, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(97, 225,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3900, 0.2373, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 225, 235) }
```

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

```
.background{ background-color: rgb(97, 225,  
235) }
```

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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