

# Converting Colors

$Yxy(60.4563, 0.2247, 0.3287)$

Have a look what the booklet for  
Yxy(60.4563, 0.2247, 0.3287)  
contains.

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# Color

**Yxy(60.4907, 0.2247, 0.3287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01E3E3
RGB	1, 227, 227
RGB Percent	0%, 89%, 89%
CMY	0.9950, 0.1098, 0.1097
CMYK	0.99, 0.00, 0.00, 0.11
HSL	180°, 99%, 45%
HSV	180°, 99%, 89%
XYZ	41.3516, 60.4907, 82.1879
YIQ	159.4260, -134.6960, -47.9120

# Conversions

## Conversions Part 2

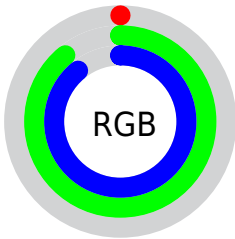
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 114, 227
Decimal	123875
CIELab	82.10, -43.99, -12.96
CIELCh	82, 45.863, 196.409
Yxy	60.4907, 0.2247, 0.3287
Android (android.graphics.Color)	4278313955 (0xFF01E3E3)
YUV	159.4260, 33.3140, -138.9396
Hunter-Lab	77.7758, -41.2033, -8.2104

# Details

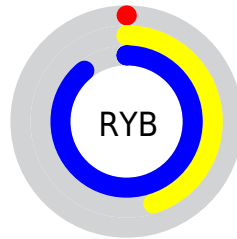
The Yxy color **60.4907, 0.2247, 0.3287** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3664, 0.6393, 0.3300**, and the grayscale version is **34.8074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **32.1044, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **60.4846, 0.2246, 0.3287**, and if you desaturate by 10%, it is **60.6802, 0.2260, 0.3287**.

# Distribution



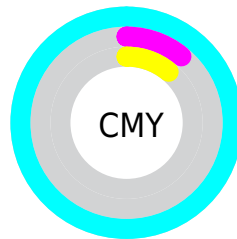
- Red (0%)
- Green (89%)
- Blue (89%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4907, 0.2247, 0.3287 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 60.4907, 0.2247, 0.3287 by changing the saturation by 10% instead.




 60.4907, 0.2247,  
0.3287


 60.4907, 0.2247,  
0.3287


426.4041, 0.2655,  
0.3302


 43.8143, 0.2155,  
0.3280


 105.5412, 0.2388,  
0.3295


 30.5245, 0.2041,  
0.3269


 134.6840, 0.2443,  
0.3297


 20.2371, 0.1899,  
0.3253

 168.7511, 0.2490,  
0.3299

 12.5675, 0.1717,  
0.3225

 208.1268, 0.2532,  
0.3300

 7.1314, 0.1476,  
0.3177

 253.1956, 0.2568,  
0.3301

 3.5444, 0.1151,  
0.3085

304.3418, 0.2600,

 1.4221, 0.0418,

0.3301

0.2979

361.9498, 0.2629,  
0.3302

■ 0.2329, 0.0000,  
0.1657

■ 0.0000, 0.0000,  
0.0000

■ 60.4907, 0.2247,  
0.3287

■ 60.4907, 0.2247,  
0.3287

■ 60.4846, 0.2246,  
0.3287

■ 60.6802, 0.2260,  
0.3287

■ 61.0847, 0.2287,  
0.3287

■ 61.7688, 0.2332,  
0.3287

■ 62.7708, 0.2397,  
0.3288

■ 64.1232, 0.2481,  
0.3288

■ 65.8543, 0.2583,  
0.3288

■ 67.9895, 0.2703,  
0.3289

■ 70.5521, 0.2837,  
0.3289

■ 73.5636, 0.2982,  
0.3290

# Harmonies

## Analogous

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



60.4907, 0.2643, 0.3885



60.4907, 0.2247, 0.3287



60.4907, 0.2081, 0.2764

# Triad

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



60.4907, 0.2247, 0.3287



60.4907, 0.2971, 0.2492



60.4907, 0.4167, 0.4065

# Complementary

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



60.4907, 0.2247, 0.3287



16.3664, 0.6393, 0.3300

# 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.



60.4907, 0.4299, 0.3643



60.4907, 0.2247, 0.3287



60.4907, 0.3572, 0.2782

# Square

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



60.4907, 0.2247, 0.3287



60.4907, 0.2466, 0.2370



60.4907, 0.4078, 0.3188



60.4907, 0.3753, 0.4335



# Rectangle

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



60.4907, 0.2247, 0.3287



60.4907, 0.2106, 0.2531



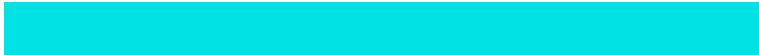
60.4907, 0.4078, 0.3188



60.4907, 0.4248, 0.3934

# Sweetspot

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



60.4929, 0.2247, 0.3287



88.2580, 0.2693, 0.3289



54.9639, 0.3000, 0.5997



18.6280, 0.2641, 0.3288



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.



60.4929, 0.2247, 0.3287



78.7193, 0.2246, 0.3287



17.6246, 0.1769, 0.1565



16.3361, 0.2982, 0.3290



35.2655, 0.2246, 0.3287



2.6061, 0.2246, 0.3287



# Inverse Universe

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



21.9089, 0.3209, 0.1543



28.4779, 0.3210, 0.1542



28.4069, 0.5416, 0.4078



14.6152, 0.3138, 0.3059



12.7578, 0.3210, 0.1542

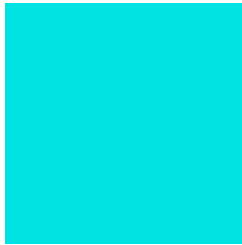


0.9428, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 60.4907, 0.2247, 0.3287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

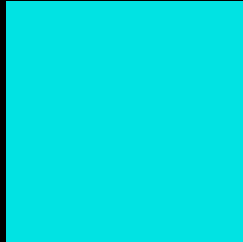
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4907, 0.2247, 0.3287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

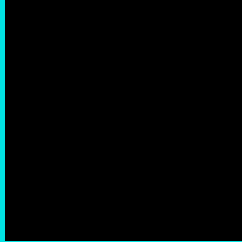
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.4907, 0.2247, 0.3287**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4907, 0.2247, 0.3287.



This preview shows how white text looks on a background with the Yxy color 60.4907, 0.2247, 0.3287.

# 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

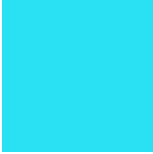
60.4907, 0.2247, 0.3287

### Protanopia

59.1729, 0.3071, 0.3173

### Deuteranopia

59.1384, 0.2943, 0.2874



## Tritanopia

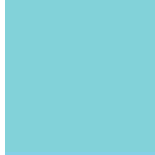
60.7929, 0.2212, 0.3055

# Trichromacy



## Original Color

60.4907, 0.2247, 0.3287



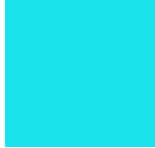
## Protanomaly

55.8488, 0.2563, 0.3197



## Deuteranomaly

55.7868, 0.2497, 0.2996



## Tritanomaly

60.7401, 0.2222, 0.3143

# Monochromacy



## Original Color

60.4907, 0.2247, 0.3287



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.5665, 0.2535, 0.3288

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4907, 0.2247, 0.3287 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(1, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 227, 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(1, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 227, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4907, 0.2247, 0.3287 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(1, 227, 227) }
```

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

```
.border{ border-color:rgb(1, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 227,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4907, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 227, 227) }
```

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

```
.background{ background-color: rgb(1, 227,  
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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