

# Converting Colors

$Yxy(65.8136, 0.2443, 0.3291)$

Have a look what the booklet for  
Yxy(65.8136, 0.2443, 0.3291)  
contains.

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# Color

**Yxy(65.9908, 0.2447, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BE7E6
RGB	107, 231, 230
RGB Percent	42%, 91%, 90%
CMY	0.5804, 0.0941, 0.0981
CMYK	0.54, 0.00, 0.00, 0.09
HSL	180°, 72%, 66%
HSV	180°, 54%, 91%
XYZ	48.9184, 65.9908, 85.0024
YIQ	193.8100, -73.5830, -26.5990

# Conversions

## Conversions Part 2

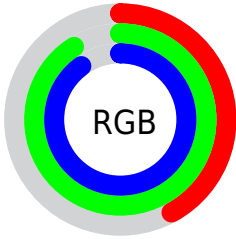
Format	Color
<a href="#">RYB</a>	<a href="#">107, 169, 231</a>
Decimal	<a href="#">7071718</a>
CIELab	<a href="#">84.99, -34.61, -10.03</a>
CIElCh	<a href="#">85, 36.038, 196.164</a>
Yxy	<a href="#">65.9908, 0.2447, 0.3301</a>
Android (android.graphics.Color)	<a href="#">4285261798</a> ( <a href="#">0xFF6BE7E6</a> )
YUV	<a href="#">193.8100, 17.8417, -76.1324</a>
Hunter-Lab	<a href="#">81.2347, -34.6707, -5.1756</a>

# Details

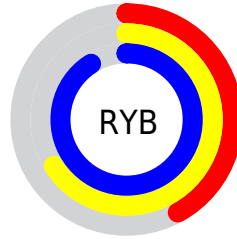
The Yxy color **65.9908, 0.2447, 0.3301** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.5881, 0.4700, 0.3283**, and the grayscale version is **53.7555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **34.0952, 0.2288, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **64.7370, 0.2372, 0.3304**, and if you desaturate by 10%, it is **67.6321, 0.2541, 0.3299**.

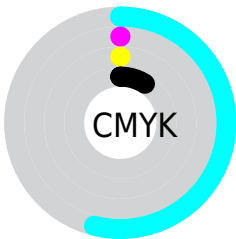
# Distribution



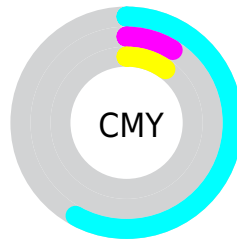
- Red (42%)
- Green (91%)
- Blue (90%)



- Red (42%)
- Yellow (66%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (9%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9908, 0.2447, 0.3301 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 65.9908, 0.2447, 0.3301 by changing the saturation by 10% instead.




 65.9908, 0.2447,  
0.3301


 65.9908, 0.2447,  
0.3301


446.3440, 0.2760,  
0.3304


 48.2649, 0.2376,  
0.3298


 113.4731, 0.2555,  
0.3303

 34.0367, 0.2289,  
0.3294

 143.9984, 0.2597,  
0.3304

 22.9218, 0.2179,  
0.3287


 179.5589, 0.2634,  
0.3304

 14.5358, 0.2038,  
0.3275

220.5390, 0.2666,  
0.3304

 8.4943, 0.1849,  
0.3253

267.3232, 0.2694,  
0.3304

 4.4128, 0.1586,  
0.3210

320.2958, 0.2718,

 1.9071, 0.1197,

0.3304

379.8413, 0.2741,  
0.3304

0.3117

0.5526, 0.0000,  
0.2913

0.0000, 0.0000,  
0.0000

65.9908, 0.2447,  
0.3301

65.9908, 0.2447,  
0.3301

64.7370, 0.2372,  
0.3304

67.6321, 0.2541,  
0.3299

63.8318, 0.2316,  
0.3306


69.6810, 0.2653,  
0.3296


63.2417, 0.2279,  
0.3309


72.1652, 0.2780,  
0.3294


62.9228, 0.2260,  
0.3311


75.1079, 0.2920,  
0.3292


 62.8179, 0.2254,  
0.3313

 78.5306, 0.3070,  
0.3291

 82.4535, 0.3227,  
0.3289

 84.2037, 0.3291,  
0.3287

 84.2146, 0.3289,  
0.3285

 84.2255, 0.3288,  
0.3284

# Harmonies

## Analogous

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



65.9908, 0.2764, 0.3739



65.9908, 0.2447, 0.3301



65.9908, 0.2308, 0.2899

# Triad

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



65.9908, 0.2447, 0.3301



65.9908, 0.3009, 0.2661



65.9908, 0.3932, 0.3901

# Complementary

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



65.9908, 0.2447, 0.3301



28.5881, 0.4700, 0.3283

# 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.



65.9908, 0.4021, 0.3579



65.9908, 0.2447, 0.3301



65.9908, 0.3467, 0.2892

# Square

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



65.9908, 0.2447, 0.3301



65.9908, 0.2614, 0.2568



65.9908, 0.3848, 0.3219



65.9908, 0.3623, 0.4088



# Rectangle

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



65.9908, 0.2447, 0.3301



65.9908, 0.2326, 0.2710



65.9908, 0.3848, 0.3219



65.9908, 0.3990, 0.3803

# Sweetspot

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



65.9933, 0.2447, 0.3301



93.0444, 0.2886, 0.3293



61.4727, 0.3057, 0.5005



19.7482, 0.2856, 0.3293



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.



65.9933, 0.2447, 0.3301



80.9178, 0.2367, 0.3304



38.0473, 0.2274, 0.2467



16.3342, 0.2983, 0.3292



35.2150, 0.2254, 0.3313



2.6029, 0.2252, 0.3309



# Inverse Universe

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



28.5881, 0.4700, 0.3283



29.6728, 0.5206, 0.3284



45.6652, 0.4290, 0.3964



14.3699, 0.3291, 0.3289



9.5275, 0.6392, 0.3295

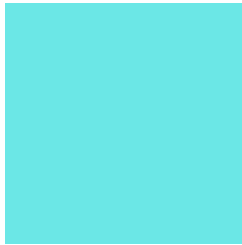


0.7047, 0.6365, 0.3280



# Previews

## White Background



This preview shows how the Yxy color 65.9908, 0.2447, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

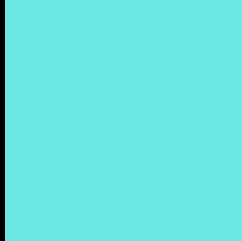
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9908, 0.2447, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

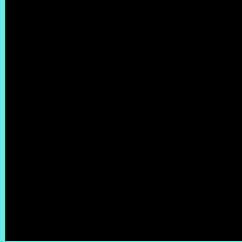
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9908, 0.2447, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9908, 0.2447, 0.3301.

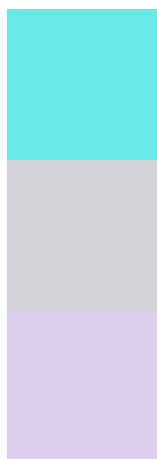


This preview shows how white text looks on a background with the Yxy color 65.9908, 0.2447, 0.3301.

# 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

65.9908, 0.2447, 0.3301

### Protanopia

65.2491, 0.3101, 0.3211

### Deuteranopia

64.9344, 0.3025, 0.2954



## Tritanopia

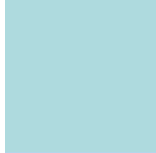
65.7129, 0.2388, 0.3056

# Trichromacy



## Original Color

65.9908, 0.2447, 0.3301



## Protanomaly

64.4154, 0.2803, 0.3241



## Deuteranomaly

63.6174, 0.2761, 0.3056



## Tritanomaly

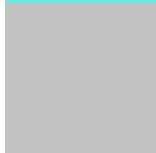
65.7690, 0.2408, 0.3140

# Monochromacy



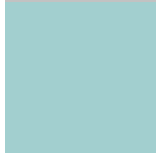
## Original Color

65.9908, 0.2447, 0.3301



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.8120, 0.2806, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9908, 0.2447, 0.3301 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(107, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(107, 231, 230)  
}
```

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(107, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 231, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9908, 0.2447, 0.3301 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(107, 231, 230) }
```

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

```
.border{ border-color:rgb(107, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(107, 231,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9908, 0.2447, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 231, 230) }
```

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

```
.background{ background-color: rgb(107,  
231, 230) }
```

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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