

# Converting Colors

Yxy(63.0044, 0.2661, 0.3602)

Have a look what the booklet for  
Yxy(63.0044, 0.2661, 0.3602)  
contains.

<b>Yxy(63.1690, 0.2657, 0.3602)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.1690, 0.2657, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FE2CA
RGB	127, 226, 202
RGB Percent	50%, 89%, 79%
CMY	0.5024, 0.1136, 0.2079
CMYK	0.44, 0.00, 0.11, 0.11
HSL	165°, 63%, 69%
HSV	165°, 44%, 89%
XYZ	46.5963, 63.1690, 65.6067
YIQ	193.6630, -51.3000, -28.4520

# Conversions

## Conversions Part 2

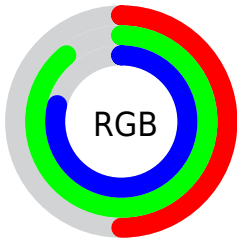
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 183, 226</a>
Decimal	<a href="#">8381130</a>
CIELab	<a href="#">83.53, -34.76, 2.68</a>
CIElCh	<a href="#">84, 34.865, 175.590</a>
Yxy	<a href="#">63.1690, 0.2657, 0.3602</a>
Android (android.graphics.Color)	<a href="#">4286571210 (0xFF7FE2CA)</a>
YUV	<a href="#">193.6630, 4.1101, -58.4635</a>
Hunter-Lab	<a href="#">79.4789, -34.4384, 6.6937</a>

# Details

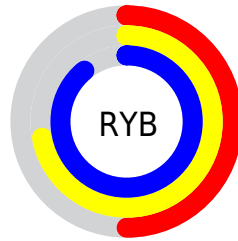
The Yxy color **63.1690, 0.2657, 0.3602** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5557, 0.3995, 0.3011**, and the grayscale version is **53.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **32.1528, 0.2538, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **61.3732, 0.2581, 0.3687**, and if you desaturate by 10%, it is **65.3682, 0.2748, 0.3521**.

# Distribution



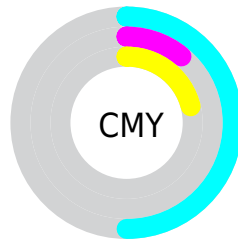
- Red (50%)
- Green (89%)
- Blue (79%)



- Red (50%)
- Yellow (72%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (50%)
- Magenta (11%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1690, 0.2657, 0.3602 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 63.1690, 0.2657, 0.3602 by changing the saturation by 10% instead.





 63.1690, 0.2657,  
0.3602


 63.1690, 0.2657,  
0.3602


436.1826, 0.2880,  
0.3452


 45.9779, 0.2605,  
0.3637


 109.4133, 0.2736,  
0.3549

 32.2284, 0.2539,  
0.3682


 139.2353, 0.2766,  
0.3529

 21.5360, 0.2456,  
0.3740


 174.0364, 0.2792,  
0.3511

 13.5164, 0.2344,  
0.3817

214.2011, 0.2814,  
0.3496

 7.7851, 0.2189,  
0.3926

260.1136, 0.2834,  
0.3483

 3.9577, 0.1961,  
0.4090

312.1584, 0.2851,

 1.6499, 0.1533,

0.3472

0.4397

370.7200, 0.2866,  
0.3462

0.3909, 0.0000,  
0.6214

0.0000, 0.0000,  
0.0000

63.1690, 0.2657,  
0.3602

63.1690, 0.2657,  
0.3602

61.3732, 0.2581,  
0.3687

65.3682, 0.2748,  
0.3521

59.9467, 0.2523,  
0.3776

67.9871, 0.2850,  
0.3446

58.8624, 0.2484,  
0.3866


71.0505, 0.2962,  
0.3376


58.0859, 0.2465,  
0.3957

74.5788, 0.3081,  
0.3313

 57.5754, 0.2466,  
0.4047


 78.5912, 0.3202,  
0.3256

 57.3527, 0.2473,  
0.4102

 81.6542, 0.3272,  
0.3203

 81.9756, 0.3236,  
0.3149

 82.3068, 0.3200,  
0.3096

 82.6480, 0.3164,  
0.3044

# Harmonies

## Analogous

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



63.1690, 0.3054, 0.3957



63.1690, 0.2657, 0.3602



63.1690, 0.2395, 0.3167

# Triad

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



63.1690, 0.2657, 0.3602



63.1690, 0.2732, 0.2592



63.1690, 0.4005, 0.3683

# Complementary

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



63.1690, 0.2657, 0.3602



33.5557, 0.3995, 0.3011

# 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.



63.1690, 0.3915, 0.3331



63.1690, 0.2657, 0.3602



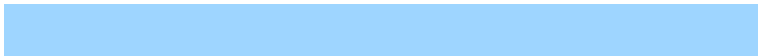
63.1690, 0.3152, 0.2730

# Square

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



63.1690, 0.2657, 0.3602



63.1690, 0.2438, 0.2613



63.1690, 0.3594, 0.2993



63.1690, 0.3842, 0.3967



# Rectangle

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



63.1690, 0.2657, 0.3602



63.1690, 0.2323, 0.2913



63.1690, 0.3594, 0.2993



63.1690, 0.4004, 0.3569

# Sweetspot

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



63.1715, 0.2657, 0.3602



93.7391, 0.2971, 0.3371



62.5776, 0.3222, 0.4591



19.8592, 0.2946, 0.3386



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.



63.1715, 0.2657, 0.3602



80.7890, 0.2585, 0.3683



51.8809, 0.2481, 0.2965



15.5126, 0.3014, 0.3347



32.7327, 0.2469, 0.4088



2.2826, 0.2430, 0.3949



# Inverse Universe

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



33.5557, 0.3995, 0.3011



36.9441, 0.4297, 0.2959



40.0532, 0.4149, 0.3584



13.7547, 0.3254, 0.3233



9.3962, 0.5945, 0.3049



0.6653, 0.5507, 0.2808



# Previews

## White Background



This preview shows how the Yxy color 63.1690, 0.2657, 0.3602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

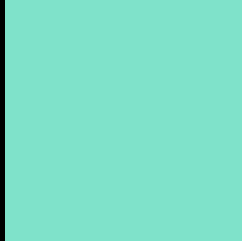
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1690, 0.2657, 0.3602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

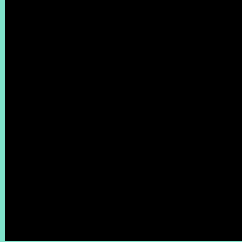
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

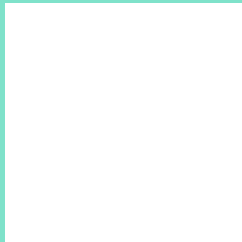
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1690, 0.2657, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1690, 0.2657, 0.3602.

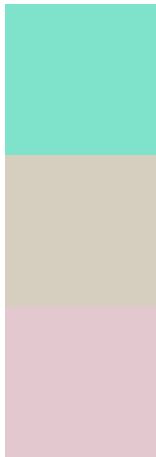


This preview shows how white text looks on a background with the Yxy color 63.1690, 0.2657, 0.3602.

# 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

63.1690, 0.2657, 0.3602

### Protanopia

62.2003, 0.3297, 0.3464

### Deuteranopia

62.1444, 0.3288, 0.3213



## Tritanopia

63.2633, 0.2510, 0.3069

# Trichromacy



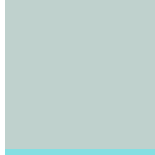
## Original Color

63.1690, 0.2657, 0.3602



## Protanomaly

61.4737, 0.3023, 0.3510



## Deuteranomaly

61.0851, 0.3022, 0.3338



## Tritanomaly

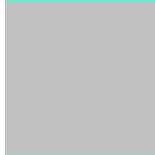
63.2529, 0.2559, 0.3251

# Monochromacy



## Original Color

63.1690, 0.2657, 0.3602



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.7199, 0.2924, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.1690, 0.2657, 0.3602 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(127, 226, 202)` looks like.

```
.text, #text, p{  
    color:rgb(127, 226, 202)  
}
```

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(127, 226, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 226, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1690, 0.2657, 0.3602 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(127, 226, 202) }
```

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

```
.border{ border-color:rgb(127, 226, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 226, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 226, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 226, 202);  
box-shadow:4px 4px 4px 4px rgb(127, 226,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1690, 0.2657, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 226, 202) }
```

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

```
.background{ background-color: rgb(127,  
226, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor