

# Converting Colors

CIELCh(63, 30.395, 188.272)

Have a look what the booklet for  
CIELCh(63, 30.395, 188.272)  
contains.

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**Color**

**CIELCh(63, 30.344, 188.269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47A79F
RGB	71, 167, 159
RGB Percent	28%, 65%, 62%
CMY	0.7205, 0.3441, 0.3755
CMYK	0.57, 0.00, 0.05, 0.34
HSL	175°, 40%, 47%
HSV	175°, 57%, 66%
XYZ	22.7597, 31.5869, 37.8057
YIQ	137.3840, -54.6480, -22.8400

# Conversions

## Conversions Part 2

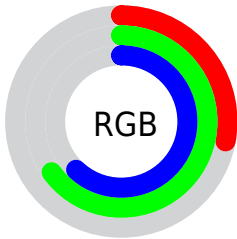
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 121, 167
Decimal	4695967
CIELab	63.00, -30.03, -4.36
CIELCh	63, 30.344, 188.269
Yxy	31.5869, 0.2470, 0.3428
Android (android.graphics.Color)	4282886047 (0xFF47A79F)
YUV	137.3840, 10.6567, -58.2188
Hunter-Lab	56.2022, -26.0686, -0.5412

# Details

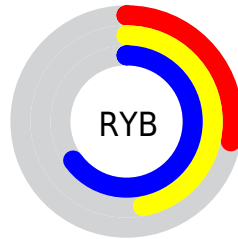
The CIELCh color **63, 30.344, 188.269** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 42.996, 20.605**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 30.341, 188.226**, and **43, 28.857, 188.946** is the 20% darker color. If you saturate the color by 10%, you get **62, 33.650, 187.470**, and if you desaturate by 10%, it is **64, 26.315, 189.036**.

# Distribution



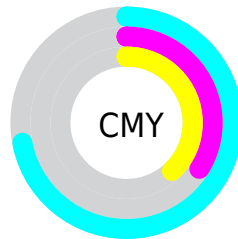
- Red (28%)
- Green (65%)
- Blue (62%)



- Red (28%)
- Yellow (47%)
- Blue (65%)



- Cyan (57%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)




- Cyan (72%)
- Magenta (34%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 30.344, 188.269 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 CIELCh color 63, 30.344, 188.269 by changing the saturation by 10% instead.





 63, 30.344,  
188.269


 63, 30.344,  
188.269


 100, 30.344,  
188.269


 53, 30.344,  
188.269


 83, 30.344,  
188.269

 43, 30.344,  
188.269

 93, 30.344,  
188.269

 33, 30.344,  
188.269

 23, 30.344,  
188.269

 13, 30.344,  
188.269

 3, 30.344, 188.269

 0, 30.344, 188.269

63, 30.344,  
188.269

63, 30.344,  
188.269

62, 33.650,  
187.470

64, 26.315,  
189.036

62, 36.195,  
186.629

64, 21.635,  
189.788

62, 37.986,  
185.729

65, 16.395,  
190.532

62, 39.124,  
184.762

66, 10.696,  
191.279

62, 39.387,  
184.510

68, 4.642, 192.065

69, 1.675, 12.407

70, 8.170, 13.354

72, 14.774, 14.098

74, 21.427, 14.819



# Harmonies

# Complementary

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



63, 30.344, 188.269



43, 42.996, 20.605

# Rectangle

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



63, 30.344, 188.269



63, 30.344, 238.269



63, 30.344, 8.269



63, 30.344, 58.269

# Sweetspot

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



63, 30.344, 188.267



84, 12.920, 191.285



62, 61.170, 137.712



45, 8.670, 191.141



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



63, 30.344, 188.267



79, 41.797, 187.235



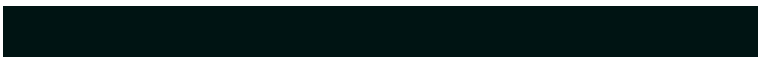
52, 27.151, 254.367



35, 3.563, 191.906



55, 35.955, 184.620



5, 6.677, 189.982



# Inverse Universe

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



43, 42.996, 20.605



51, 64.531, 24.450



52, 35.916, 58.486



33, 3.740, 13.163



30, 66.093, 35.878

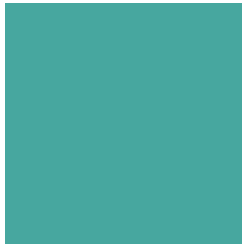


1, 6.617, 13.452



# Previews

## White Background



This preview shows how the CIELCh color 63, 30.344, 188.269 looks on a white background.

## Color Contrast Check

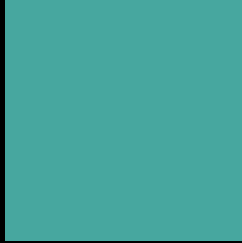
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 63, 30.344, 188.269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

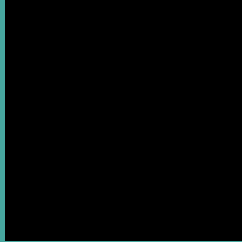
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 63, 30.344, 188.269**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 63, 30.344, 188.269.

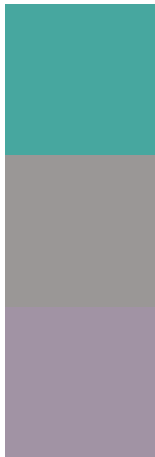


This preview shows how white text looks on a background with the CIELCh color 63, 30.344, 188.269.

# 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, 30.344, 188.269

**Protanopia**  
63, 1.281, 44.967

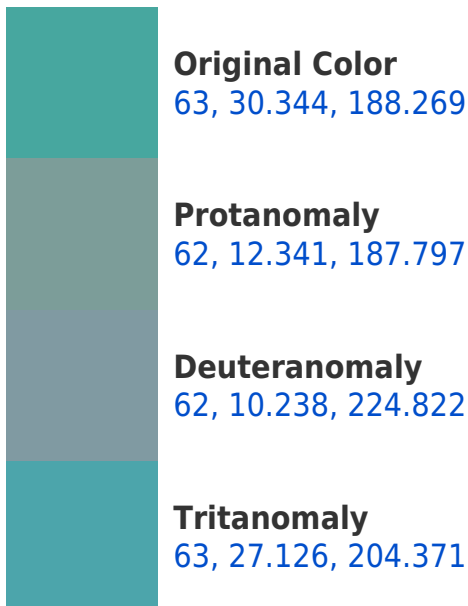
**Deuteranopia**  
63, 10.946, 319.951





**Tritanopia**  
63, 26.514, 214.755

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 30.344, 188.269 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(71, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(71, 167, 159)  
}
```

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(71, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 167, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 30.344, 188.269 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(71, 167, 159) }
```

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

```
.border{ border-color:rgb(71, 167, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 167, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 167, 159);  
box-shadow:4px 4px 4px 4px rgb(71, 167,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 30.344, 188.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 167, 159) }
```

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

```
.background{ background-color: rgb(71, 167,  
159) }
```

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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