

Converting Colors

CIELCh(64, 31.327, 209.461)

Have a look what the booklet for
CIELCh(64, 31.327, 209.461)
contains.

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Color

CIELCh(64, 31.470, 209.393)

Conversions

Conversions Part 1

Format	Color
Hex	38AAB6
RGB	56, 170, 182
RGB Percent	22%, 67%, 71%
CMY	0.7823, 0.3348, 0.2877
CMYK	0.69, 0.07, 0.00, 0.29
HSL	186°, 53%, 47%
HSV	186°, 69%, 71%
XYZ	24.3156, 32.8017, 49.1073
YIQ	137.2820, -71.7960, -20.4360

Conversions

Conversions Part 2

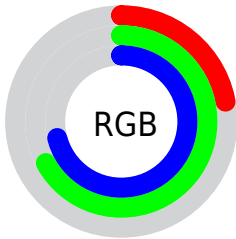
Format	Color
RYB	56, 116, 182
Decimal	3713718
CIELab	64.00, -27.42, -15.45
CIELCh	64, 31.470, 209.393
Yxy	32.8017, 0.2289, 0.3088
Android (android.graphics.Color)	4281903798 (0xFF38AAB6)
YUV	137.2820, 22.0460, -71.2843
Hunter-Lab	57.2727, -24.4438, -10.7460

Details

The CIELCh color **64, 31.470, 209.393** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **45, 55.410, 34.736**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.485, 209.124**, and **45, 27.137, 212.255** is the 20% darker color. If you saturate the color by 10%, you get **63, 33.271, 210.342**, and if you desaturate by 10%, it is **65, 28.865, 208.702**.

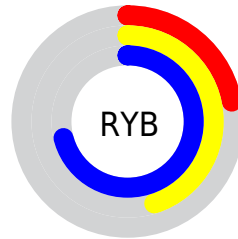
Distribution



Red (22%)

Green (67%)

Blue (71%)



Red (22%)

Yellow (45%)

Blue (71%)

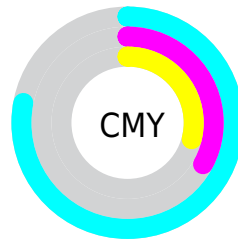


Cyan (69%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (78%)


Magenta (33%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.470, 209.393 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 64, 31.470, 209.393 by changing the saturation by 10% instead.

 64, 31.470,
209.393


 64, 31.470,
209.393


 100, 31.470,
209.393


 54, 31.470,
209.393


 84, 31.470,
209.393

 44, 31.470,
209.393

 94, 31.470,
209.393

 34, 31.470,
209.393

 24, 31.470,
209.393

 14, 31.470,
209.393

 4, 31.470, 209.393

 0, 31.470, 209.393

■ 64, 31.470,
209.393

■ 64, 31.470,
209.393

■ 63, 33.271,
210.342

■ 65, 28.865,
208.702

■ 62, 34.295,
211.588

■ 66, 25.482,
208.238

■ 62, 34.712,
213.107

■ 67, 21.382,
207.964

■ 62, 34.732,
213.194

■ 69, 16.653,
207.850

■ 70, 11.390,
207.871

■ 72, 5.692, 208.027

■ 74, 0.349, 26.643

■ 76, 6.650, 28.304

Harmonies

Complementary

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



64, 31.470, 209.393



45, 55.410, 34.736

Rectangle

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



64, 31.470, 209.393



64, 31.470, 259.393



64, 31.470, 29.393



64, 31.470, 79.393

Sweetspot

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



64, 31.469, 209.392



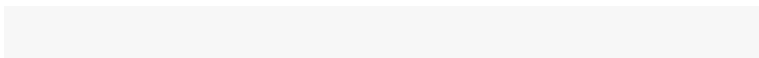
89, 15.190, 207.857



65, 74.469, 140.165



47, 10.268, 207.845



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



64, 31.469, 209.392



80, 41.367, 210.924



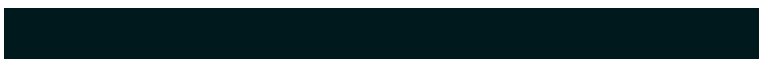
46, 44.702, 279.294



38, 3.449, 208.029



53, 31.004, 212.970



7, 9.177, 211.841

Inverse Universe

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



46, 72.004, 330.998



57, 97.561, 331.710



58, 48.349, 74.353



36, 6.474, 327.631



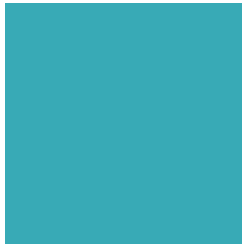
36, 74.217, 332.361



3, 17.081, 328.694

Previews

White Background



This preview shows how the CIELCh color 64, 31.470, 209.393 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 64, 31.470, 209.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

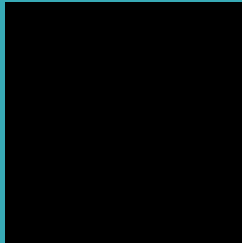
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.470, 209.393

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.470, 209.393.



This preview shows how white text looks on a background with the CIELCh color 64, 31.470, 209.393.

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

64, 31.470, 209.393

Protanopia

64, 10.056, 289.180

Deuteranopia

64, 19.596, 294.300



Tritanopia
64, 31.269, 211.658

Trichromacy



Original Color
64, 31.470, 209.393



Protanomaly
63, 16.462, 231.539



Deuteranomaly
63, 19.178, 248.313



Tritanomaly
64, 31.269, 211.658

Monochromacy



Original Color
64, 31.470, 209.393



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 14.880, 206.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.470, 209.393 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(56, 170, 182)` looks like.

```
.text, #text, p{  
    color:rgb(56, 170, 182)  
}
```

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(56, 170, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 170, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.470, 209.393 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(56, 170, 182) }
```

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

```
.border{ border-color:rgb(56, 170, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 170, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 170, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 170, 182);  
box-shadow:4px 4px 4px 4px rgb(56, 170,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.470, 209.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 170, 182) }
```

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

```
.background{ background-color: rgb(56, 170,  
182) }
```

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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