

Converting Colors

CIELCh(64, 32.653, 206.917)

Have a look what the booklet for
CIELCh(64, 32.653, 206.917)
contains.

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Color

CIELCh(64, 32.594, 206.823)

Conversions

Conversions Part 1

Format	Color
Hex	30AAB4
RGB	48, 170, 180
RGB Percent	19%, 67%, 71%
CMY	0.8101, 0.3322, 0.2930
CMYK	0.73, 0.06, 0.00, 0.29
HSL	185°, 58%, 45%
HSV	185°, 73%, 71%
XYZ	23.9342, 32.8017, 48.4020
YIQ	134.6620, -75.9220, -22.7540

Conversions

Conversions Part 2

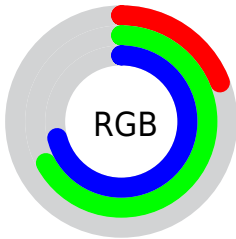
Format	Color
R _Y B	48, 111, 180
Decimal	3189428
CIE Lab	64.00, -29.09, -14.71
CIE LCh	64, 32.594, 206.823
Yxy	32.8017, 0.2276, 0.3120
Android (android.graphics.Color)	4281379508 (0xFF30AAB4)
YUV	134.6620, 22.3516, -76.0026
Hunter-Lab	57.2727, -25.6323, -10.0159




Details

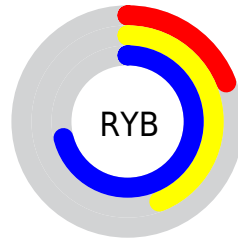
The CIELCh color **64, 32.594, 206.823** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 59.092, 34.564**, and the grayscale version is **56, 0.007, 296.813**.




A 20% lighter version of the original color is **84, 32.761, 206.668**, and **45, 27.180, 209.542** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.125, 207.600**, and if you desaturate by 10%, it is **65, 30.256, 206.266**.

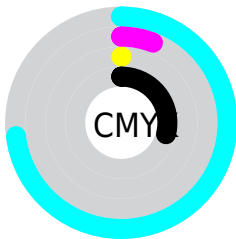
Distribution







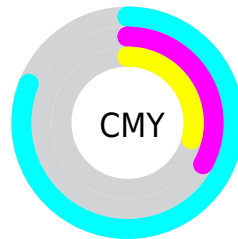
-  Red (19%)
-  Green (67%)
-  Blue (71%)






-  Red (19%)
-  Yellow (44%)
-  Blue (71%)



-  Cyan (73%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (29%)





-  Cyan (81%)
-  Magenta (33%)
-  Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.594, 206.823 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, 32.594, 206.823 by changing the saturation by 10% instead.

 64, 32.594,
206.823

 64, 32.594,
206.823


 100, 32.594,
206.823


 54, 32.594,
206.823


 84, 32.594,
206.823

 44, 32.594,
206.823

 94, 32.594,
206.823

 34, 32.594,
206.823

 24, 32.594,
206.823

 14, 32.594,
206.823

 4, 32.594, 206.823

 0, 32.594, 206.823

■ 64, 32.594,
206.823

■ 64, 32.594,
206.823

■ 63, 34.125,
207.600

■ 65, 30.256,
206.266

■ 63, 34.899,
208.624

■ 66, 27.119,
205.908

■ 62, 35.145,
209.430

■ 67, 23.233,
205.719

■ 68, 18.676,
205.676

■ 70, 13.543,
205.757

■ 71, 7.932, 205.951

■ 73, 1.942, 206.396

■ 75, 4.339, 26.318

Harmonies

Complementary

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



64, 32.594, 206.823



43, 59.092, 34.564

Rectangle

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



64, 32.594, 206.823



64, 32.594, 256.823



64, 32.594, 26.823



64, 32.594, 76.823

Sweetspot

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



64, 32.593, 206.822



88, 15.993, 205.767



65, 77.680, 139.289



46, 10.638, 205.733



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 32.593, 206.822



80, 42.263, 208.222



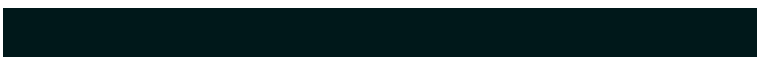
44, 45.623, 279.126



37, 3.427, 206.062



53, 31.168, 209.246



6, 8.216, 209.736

Inverse Universe

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



45, 74.949, 330.453



56, 100.007, 331.110



56, 50.403, 72.238



35, 6.410, 327.051



35, 74.432, 331.449



3, 15.038, 327.680

Previews

White Background



This preview shows how the CIELCh color 64, 32.594, 206.823 looks on a white background.

Color Contrast Check

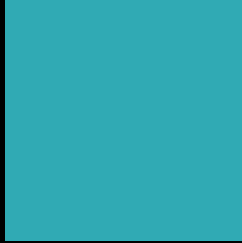
Large Text (above 18pt) WCAG AA × Fail

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, 32.594, 206.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

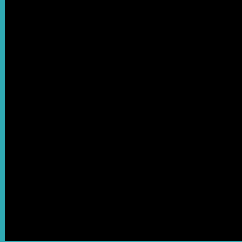
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

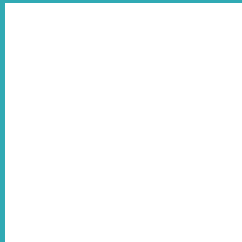
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 32.594, 206.823

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.594, 206.823.

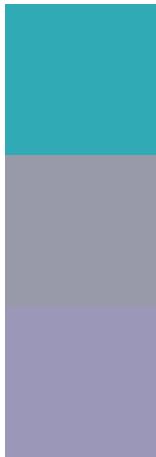


This preview shows how white text looks on a background with the CIELCh color 64, 32.594, 206.823.

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](#).

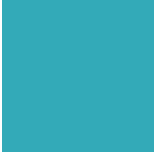
Dichromacy



Original Color
64, 32.594, 206.823

Protanopia
64, 8.941, 288.790

Deuteranopia
64, 19.059, 295.365



Tritanopia
64, 32.125, 211.192

Trichromacy



Original Color
64, 32.594, 206.823



Protanomaly
63, 16.798, 226.265



Deuteranomaly
63, 19.204, 245.667



Tritanomaly
64, 32.259, 210.072

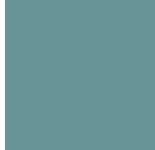
Monochromacy



Original Color
64, 32.594, 206.823



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.504, 204.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.594, 206.823 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(48, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(48, 170, 180)  
}
```

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(48, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 170, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.594, 206.823 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(48, 170, 180) }
```

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

```
.border{ border-color:rgb(48, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(48, 170,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.594, 206.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 170, 180) }
```

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

```
.background{ background-color: rgb(48, 170,  
180) }
```

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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