

Converting Colors

CIELCh(64, 25.190, 174.391)

Have a look what the booklet for
CIELCh(64, 25.190, 174.391)
contains.

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Color

CIELCh(64, 24.930, 174.824)

Conversions

Conversions Part 1

Format	Color
Hex	66A796
RGB	102, 167, 150
RGB Percent	40%, 65%, 59%
CMY	0.5988, 0.3439, 0.4106
CMYK	0.39, 0.00, 0.10, 0.34
HSL	164°, 27%, 53%
HSV	164°, 39%, 66%
XYZ	24.9158, 32.8017, 33.9967
YIQ	145.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

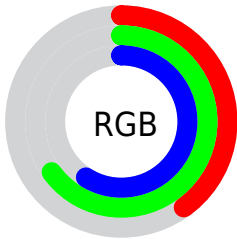
Format	Color
RYB	102, 139, 167
Decimal	6727574
CIELab	64.00, -24.83, 2.25
CIElCh	64, 24.930, 174.824
Yxy	32.8017, 0.2717, 0.3577
Android (android.graphics.Color)	4284917654 (0xFF66A796)
YUV	145.6270, 2.1559, -38.2609
Hunter-Lab	57.2727, -22.5730, 4.8968

Details

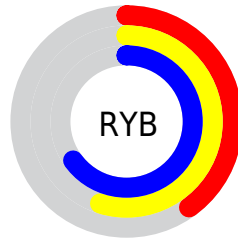
The CIELCh color **64, 24.930, 174.824** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **51, 28.449, 3.302**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 24.657, 174.964**, and **44, 25.125, 174.075** is the 20% darker color. If you saturate the color by 10%, you get **63, 30.479, 173.620**, and if you desaturate by 10%, it is **65, 18.923, 175.928**.

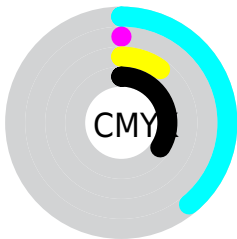
Distribution



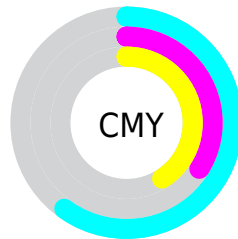
- Red (40%)
- Green (65%)
- Blue (59%)



- Red (40%)
- Yellow (55%)
- Blue (65%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)




- Cyan (60%)
- Magenta (34%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 24.930, 174.824 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, 24.930, 174.824 by changing the saturation by 10% instead.

 64, 24.930,
174.824

 64, 24.930,
174.824

 100, 24.930,
174.824

 54, 24.930,
174.824


 84, 24.930,
174.824

 44, 24.930,
174.824

 94, 24.930,
174.824

 34, 24.930,
174.824

 24, 24.930,
174.824

 14, 24.930,
174.824

 4, 24.930, 174.824

 0, 24.930, 174.824

■ 64, 24.930,
174.824

■ 64, 24.930,
174.824

■ 63, 30.479,
173.620

■ 65, 18.923,
175.928

■ 62, 35.462,
172.298

■ 66, 12.567,
176.957

■ 62, 39.794,
170.833

■ 67, 5.968, 177.947

■ 61, 43.422,
169.202

■ 69, 0.781, 358.220

■ 70, 7.599, 359.563

■ 61, 46.342,
167.388

■ 72, 14.422, 0.400

■ 61, 48.689,
165.433

■ 74, 21.200, 1.184

■ 76, 27.896, 1.932

■ 61, 48.951,
165.215

■ 77, 34.484, 2.650

Harmonies

Complementary

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



64, 24.930, 174.824



51, 28.449, 3.302

Rectangle

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



64, 24.930, 174.824



64, 24.930, 224.824



64, 24.930, 354.824



64, 24.930, 44.824

Sweetspot

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



64, 24.931, 174.822



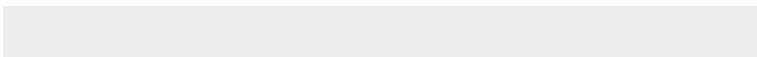
85, 9.952, 177.614



64, 40.361, 134.826



45, 6.645, 177.492



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 24.931, 174.822



80, 36.312, 173.746



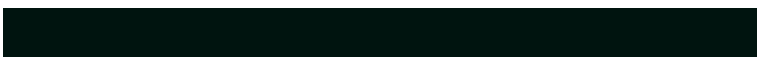
60, 18.310, 226.237



35, 3.830, 177.903



54, 44.564, 165.444



5, 7.338, 173.750

Inverse Universe

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



51, 28.449, 3.302



61, 42.780, 4.929



54, 23.893, 42.620



33, 3.947, 359.476



30, 59.186, 23.384



1, 6.943, 1.345

Previews

White Background



This preview shows how the CIELCh color 64, 24.930, 174.824 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, 24.930, 174.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

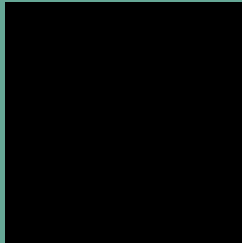
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 24.930, 174.824

Background



This preview shows how black text looks on a background with the CIELCh color 64, 24.930, 174.824.

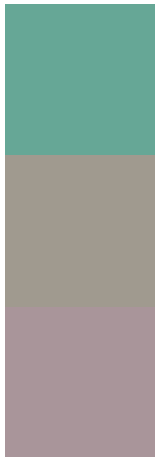


This preview shows how white text looks on a background with the CIELCh color 64, 24.930, 174.824.

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, 24.930, 174.824

Protanopia

64, 6.547, 88.190

Deuteranopia

64, 8.288, 0.594



Tritanopia
64, 19.124, 222.351

Trichromacy



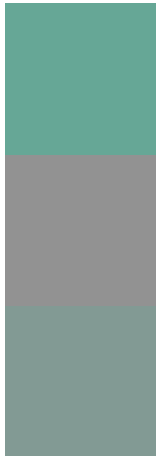
Original Color
64, 24.930, 174.824

Protanomaly
64, 10.615, 155.487

Deuteranomaly
63, 4.521, 177.338

Tritanomaly
64, 19.605, 201.049

Monochromacy



Original Color
64, 24.930, 174.824

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 9.685, 178.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 24.930, 174.824 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(102, 167, 150)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 150)  
}
```

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(102, 167, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 24.930, 174.824 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(102, 167, 150) }
```

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

```
.border{ border-color:rgb(102, 167, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 167, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 150);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 24.930, 174.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 150) }
```

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

```
.background{ background-color: rgb(102,  
167, 150) }
```

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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