

Converting Colors

CIELCh(64, 36.724, 195.905)

Have a look what the booklet for
CIELCh(64, 36.724, 195.905)
contains.

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Color

CIELCh(64, 36.537, 196.445)

Conversions

Conversions Part 1

Format	Color
Hex	14ACAC
RGB	20, 172, 172
RGB Percent	8%, 67%, 67%
CMY	0.9207, 0.3239, 0.3239
CMYK	0.88, 0.00, 0.00, 0.32
HSL	180°, 79%, 38%
HSV	180°, 88%, 68%
XYZ	22.6053, 32.8017, 44.3679
YIQ	126.5520, -90.5920, -32.2240

Conversions

Conversions Part 2

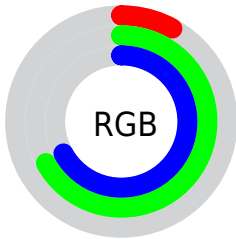
Format	Color
RYB	20, 96, 172
Decimal	1354924
CIELab	64.00, -35.04, -10.34
CIELCh	64, 36.537, 196.445
Yxy	32.8017, 0.2266, 0.3288
Android (android.graphics.Color)	4279545004 (0xFF14ACAC)
YUV	126.5520, 22.4059, -93.4461
Hunter-Lab	57.2727, -29.7741, -5.8397

Details

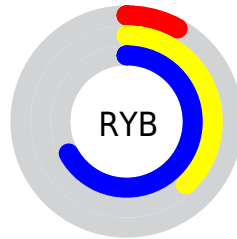
The CIELCh color **64, 36.537, 196.445** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 71.142, 36.461**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 36.560, 196.144**, and **45, 28.372, 197.634** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.266, 196.387**, and if you desaturate by 10%, it is **64, 35.169, 196.550**.

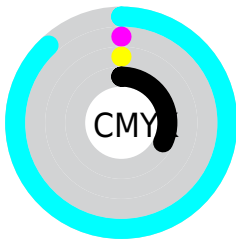
Distribution



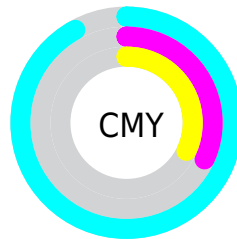
- Red (8%)
- Green (67%)
- Blue (67%)



- Red (8%)
- Yellow (38%)
- Blue (67%)



- Cyan (88%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)




- Cyan (92%)
- Magenta (32%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.537, 196.445 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, 36.537, 196.445 by changing the saturation by 10% instead.

 64, 36.537,
196.445


 64, 36.537,
196.445


 100, 36.537,
196.445


 54, 36.537,
196.445

 84, 36.537,
196.445

 44, 36.537,
196.445

 94, 36.537,
196.445

 34, 36.537,
196.445

 24, 36.537,
196.445

 14, 36.537,
196.445

 4, 36.537, 196.445

 0, 36.537, 196.445

■ 64, 36.537,
196.445

■ 64, 36.537,
196.445

■ 64, 37.266,
196.387

■ 64, 35.169,
196.550

■ 64, 37.373,
196.379

■ 65, 33.031,
196.716

■ 65, 30.097,
196.946

■ 66, 26.388,
197.241

■ 66, 21.960,
197.599

■ 67, 16.896,
198.017

■ 68, 11.294,
198.493

■ 69, 5.255, 199.049

Harmonies

Complementary

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



64, 36.537, 196.445



37, 71.142, 36.461

Rectangle

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



64, 36.537, 196.445



64, 36.537, 246.445



64, 36.537, 16.445



64, 36.537, 66.445

Sweetspot

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



64, 36.537, 196.444



86, 19.379, 198.099



62, 85.923, 136.457



45, 12.960, 197.949



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 36.537, 196.444



81, 45.502, 196.379



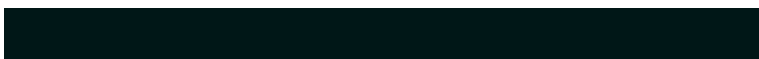
41, 45.895, 276.884



36, 3.603, 198.985



56, 33.809, 196.379



6, 7.801, 199.416

Inverse Universe

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



37, 71.142, 36.461



47, 94.944, 39.999



48, 58.138, 62.087



34, 3.818, 19.906



31, 69.981, 39.445



2, 7.802, 19.402

Previews

White Background



This preview shows how the CIELCh color 64, 36.537, 196.445 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 CIE LCh color 64, 36.537, 196.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

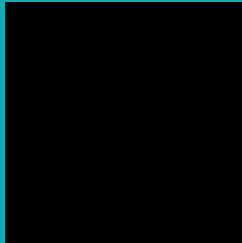
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

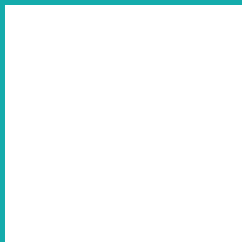
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 36.537, 196.445

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.537, 196.445.

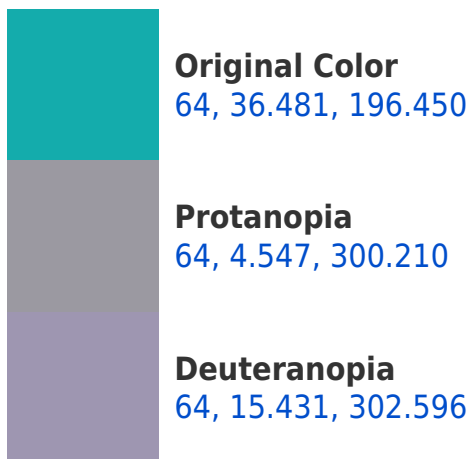


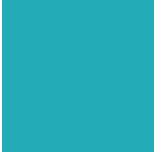
This preview shows how white text looks on a background with the CIELCh color 64, 36.537, 196.445.

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



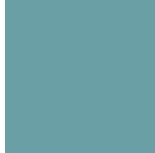


Tritanopia
64, 33.949, 209.282

Trichromacy



Original Color
64, 36.481, 196.450



Protanomaly
62, 18.413, 206.693



Deuteranomaly
62, 18.691, 229.086



Tritanomaly
64, 34.891, 204.091

Monochromacy



Original Color
64, 36.481, 196.450



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 19.259, 197.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.537, 196.445 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(20, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(20, 172, 172)  
}
```

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(20, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 172, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.537, 196.445 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(20, 172, 172) }
```

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

```
.border{ border-color:rgb(20, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(20, 172,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.537, 196.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 172, 172) }
```

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

```
.background{ background-color: rgb(20, 172,  
172) }
```

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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