

Converting Colors

CIELCh(48, 31.481, 154.592)

Have a look what the booklet for
CIELCh(48, 31.481, 154.592)
contains.

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Color

CIELCh(48, 31.680, 154.535)

Conversions

Conversions Part 1

Format	Color
Hex	417E5A
RGB	65, 126, 90
RGB Percent	25%, 49%, 35%
CMY	0.7450, 0.5057, 0.6469
CMYK	0.48, 0.00, 0.29, 0.51
HSL	145°, 32%, 37%
HSV	145°, 48%, 49%
XYZ	11.4945, 16.7945, 12.3160
YIQ	103.6570, -24.8000, -24.1280

Conversions

Conversions Part 2

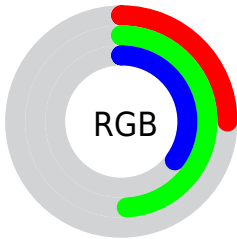
Format	Color
RYB	65, 108, 126
Decimal	4292186
CIELab	48.00, -28.60, 13.62
CIELCh	48, 31.680, 154.535
Yxy	16.7945, 0.2831, 0.4136
Android (android.graphics.Color)	4282482266 (0xFF417E5A)
YUV	103.6570, -6.7329, -33.9022
Hunter-Lab	40.9810, -21.6506, 10.8684

Details

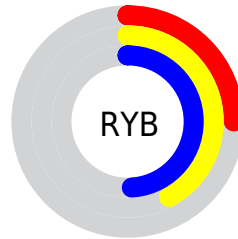
The CIELCh color **48, 31.680, 154.535** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **36, 32.590, 343.333**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 31.569, 154.301**, and **28, 31.508, 154.574** is the 20% darker color. If you saturate the color by 10%, you get **47, 37.587, 153.194**, and if you desaturate by 10%, it is **49, 25.424, 155.715**.

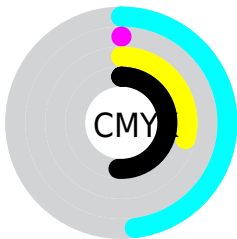
Distribution



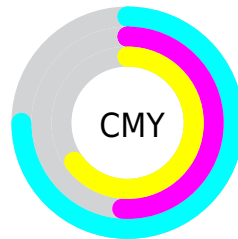
- Red (25%)
- Green (49%)
- Blue (35%)



- Red (25%)
- Yellow (42%)
- Blue (49%)



- Cyan (48%)
- Magenta (0%)
- Yellow (29%)
- Black (51%)





- Cyan (75%)
- Magenta (51%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 31.680, 154.535 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 48, 31.680, 154.535 by changing the saturation by 10% instead.


 48, 31.680,
154.535


 48, 31.680,
154.535


 100, 31.680,
154.535


 38, 31.680,
154.535

 68, 31.680,
154.535


 28, 31.680,
154.535

 78, 31.680,
154.535

 18, 31.680,
154.535


 88, 31.680,
154.535

 8, 31.680, 154.535

 98, 31.680,
154.535

 0, 31.680, 154.535

 48, 31.680,

 48, 31.680,

154.535

■ 47, 37.587,
153.194

■ 47, 43.038,
151.675

■ 46, 47.946,
149.966

■ 46, 52.256,
148.073

■ 46, 56.057,
146.119

■ 46, 56.649,
145.833

154.535

■ 49, 25.424,
155.715

■ 50, 18.925,
156.755

■ 51, 12.287,
157.680

■ 52, 5.598, 158.521

■ 53, 1.068, 338.953

■ 54, 7.653, 339.826

■ 56, 14.115,
340.439

■ 57, 20.426,
340.991

■ 59, 26.566,

Harmonies

Complementary

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



48, 31.680, 154.535



36, 32.590, 343.333

Rectangle

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



48, 31.680, 154.535



48, 31.680, 204.535



48, 31.680, 334.535



48, 31.680, 24.535

Sweetspot

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



48, 31.681, 154.535



65, 12.371, 157.943



50, 36.086, 123.183



33, 8.399, 157.796



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 31.681, 154.535



60, 46.026, 153.057



49, 21.538, 187.488



26, 3.793, 158.463



46, 57.156, 145.805



0, 0.000, 0.000

Inverse Universe

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



36, 32.590, 343.333



43, 47.186, 344.669



35, 28.182, 17.039



25, 3.824, 339.714



27, 52.341, 352.656



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 31.680, 154.535 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 48, 31.680, 154.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 31.680, 154.535

Background



This preview shows how black text looks on a background with the CIELCh color 48, 31.680, 154.535.



This preview shows how white text looks on a background with the CIELCh color 48, 31.680, 154.535.

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

48, 31.680, 154.535

Protanopia

48, 17.448, 94.508

Deuteranopia

48, 13.195, 61.751



Tritanopia
48, 16.597, 218.871

Trichromacy



Original Color
48, 31.680, 154.535

Protanomaly
47, 20.066, 128.979

Deuteranomaly
47, 13.361, 123.221

Tritanomaly
48, 19.265, 184.886

Monochromacy



Original Color
48, 31.680, 154.535

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 11.911, 157.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 31.680, 154.535 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(65, 126, 90)` looks like.

```
.text, #text, p{  
    color:rgb(65, 126, 90)  
}
```

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(65, 126, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 126, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 31.680, 154.535 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(65, 126, 90) }
```

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

```
.border{ border-color:rgb(65, 126, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 126, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 126, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 126, 90);  
box-shadow:4px 4px 4px 4px rgb(65, 126,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 31.680, 154.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 126, 90) }
```

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

```
.background{ background-color: rgb(65, 126,  
90) }
```

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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