

Converting Colors

CIELCh(47, 52.446, 149.905)

Have a look what the booklet for
CIELCh(47, 52.446, 149.905)
contains.

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Color

CIELCh(47, 52.522, 149.945)

Conversions

Conversions Part 1

Format	Color
Hex	028141
RGB	2, 129, 65
RGB Percent	1%, 51%, 25%
CMY	0.9913, 0.4952, 0.7461
CMYK	0.98, 0.00, 0.50, 0.50
HSL	150°, 97%, 26%
HSV	150°, 98%, 50%
XYZ	8.7878, 16.0195, 7.5914
YIQ	83.7310, -55.1480, -46.8280

Conversions

Conversions Part 2

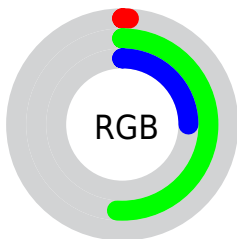
Format	Color
R_{YB}	2, 87, 129
Decimal	164161
CIE _{Lab}	47.00, -45.46, 26.30
CIE _{LCh}	47, 52.522, 149.945
Yxy	16.0195, 0.2712, 0.4944
Android (android.graphics.Color)	4278354241 (0xFF028141)
YUV	83.7310, -9.2344, -71.6781
Hunter-Lab	40.0243, -30.8507, 16.7715

Details

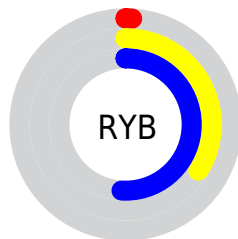
The CIELCh color **47, 52.522, 149.945** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 50.943, 359.512**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 52.502, 149.919**, and **28, 44.632, 141.460** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.117, 149.618**, and if you desaturate by 10%, it is **47, 49.026, 151.977**.

Distribution



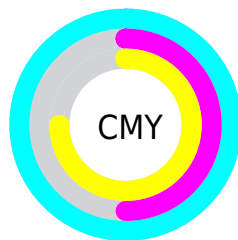
- Red (1%)
- Green (51%)
- Blue (25%)



- Red (1%)
- Yellow (34%)
- Blue (51%)



- Cyan (98%)
- Magenta (0%)
- Yellow (50%)
- Black (50%)





- Cyan (99%)
- Magenta (50%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 52.522, 149.945 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 47, 52.522, 149.945 by changing the saturation by 10% instead.


 47, 52.522,
149.945


 47, 52.522,
149.945


 100, 52.522,
149.945

 37, 52.522,
149.945

 67, 52.522,
149.945


 27, 52.522,
149.945

 77, 52.522,
149.945

 17, 52.522,
149.945

 87, 52.522,
149.945

 7, 52.522, 149.945

 97, 52.522,
149.945

 0, 52.522, 149.945

 47, 52.522,

 47, 52.522,

149.945

149.945

■ 47, 53.117,
149.618

■ 47, 49.026,
151.977

■ 48, 45.063,
153.915

■ 48, 40.532,
155.656

■ 48, 35.472,
157.204

■ 49, 29.956,
158.576

■ 50, 24.080,
159.791

■ 51, 17.944,
160.873

■ 52, 11.646,
161.845

Harmonies

Complementary

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



47, 52.522, 149.945



27, 50.943, 359.512

Rectangle

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



47, 52.522, 149.945



47, 52.522, 199.945



47, 52.522, 329.945



47, 52.522, 19.945

Sweetspot

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



47, 52.522, 149.945



65, 22.897, 160.727



48, 64.471, 126.876



33, 15.594, 160.347



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 52.522, 149.945



61, 65.387, 149.030



48, 30.421, 193.979



26, 3.566, 162.669



47, 52.728, 149.641



0, 0.000, 0.000

Inverse Universe

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



27, 50.943, 359.512



36, 62.181, 1.134



26, 60.333, 37.430



25, 3.607, 344.017



27, 50.898, 0.025



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 52.522, 149.945 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 CIE LCh color 47, 52.522, 149.945 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 47, 52.522, 149.945

Background



This preview shows how black text looks on a background with the CIELCh color 47, 52.522, 149.945.



This preview shows how white text looks on a background with the CIELCh color 47, 52.522, 149.945.

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


47, 52.577, 149.996

Protanopia

47, 30.475, 96.156

Deuteranopia

47, 25.172, 75.769



Tritanopia
47, 22.584, 212.589

Trichromacy



Original Color
47, 52.577, 149.996

Protanomaly
45, 36.473, 133.328

Deuteranomaly
45, 29.501, 130.985

Tritanomaly
47, 30.673, 176.894

Monochromacy



Original Color
47, 52.577, 149.996

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 23.214, 159.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 52.522, 149.945 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(2, 129, 65)` looks like.

```
.text, #text, p{  
    color:rgb(2, 129, 65)  
}
```

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(2, 129, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 129, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 52.522, 149.945 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(2, 129, 65) }
```

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

```
.border{ border-color:rgb(2, 129, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 129, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 129, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 129, 65);  
box-shadow:4px 4px 4px 4px rgb(2, 129, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 52.522, 149.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 129, 65) }
```

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

```
.background{ background-color: rgb(2, 129,  
65) }
```

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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