

Converting Colors

CIELCh(48, 42.433, 162.495)

Have a look what the booklet for
CIELCh(48, 42.433, 162.495)
contains.

CIELCh(48, 42.327, 162.509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 42.327, 162.509)

Conversions

Conversions Part 1

Format	Color
Hex	02825B
RGB	2, 130, 91
RGB Percent	1%, 51%, 36%
CMY	0.9936, 0.4893, 0.6423
CMYK	0.99, 0.00, 0.30, 0.49
HSL	162°, 98%, 26%
HSV	162°, 99%, 51%
XYZ	9.9302, 16.7945, 12.6628
YIQ	87.2820, -63.7690, -39.2650

Conversions

Conversions Part 2

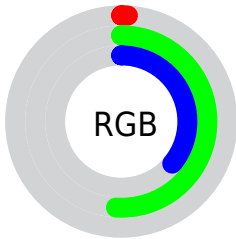
Format	Color
RYB	2, 78, 130
Decimal	164443
CIELab	48.00, -40.37, 12.72
CIELCh	48, 42.327, 162.509
Yxy	16.7945, 0.2521, 0.4264
Android (android.graphics.Color)	4278354523 (0xFF02825B)
YUV	87.2820, 1.8330, -74.7923
Hunter-Lab	40.9810, -28.4642, 10.3666

Details

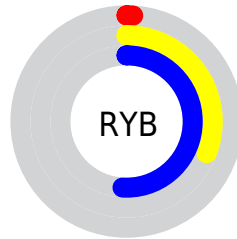
The CIELCh color **48, 42.327, 162.509** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 52.283, 18.414**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 42.432, 162.281**, and **29, 33.843, 155.204** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.619, 162.278**, and if you desaturate by 10%, it is **48, 39.993, 164.439**.

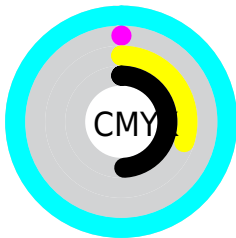
Distribution



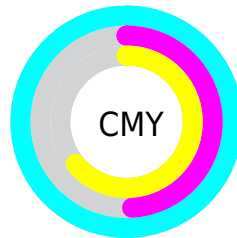
- Red (1%)
- Green (51%)
- Blue (36%)



- Red (1%)
- Yellow (31%)
- Blue (51%)



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (49%)



- Cyan (99%)
- Magenta (49%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 42.327, 162.509 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, 42.327, 162.509 by changing the saturation by 10% instead.

 48, 42.327,
162.509


 48, 42.327,
162.509


 100, 42.327,
162.509

 38, 42.327,
162.509

 68, 42.327,
162.509


 28, 42.327,
162.509

 78, 42.327,
162.509

 18, 42.327,
162.509

 88, 42.327,
162.509

 8, 42.327, 162.509

 98, 42.327,
162.509

 0, 42.327, 162.509

 48, 42.327,

 48, 42.327,

162.509

162.509

■ 48, 42.619,
162.278

■ 48, 39.993,
164.439

■ 48, 37.243,
166.267

■ 49, 33.932,
167.911

■ 49, 30.073,
169.387

■ 50, 25.718,
170.716

■ 51, 20.938,
171.921

■ 51, 15.821,
173.023

■ 52, 10.453,
174.045

Harmonies

Complementary

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



48, 42.327, 162.509



27, 52.283, 18.414

Rectangle

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



48, 42.327, 162.509



48, 42.327, 212.509



48, 42.327, 342.509



48, 42.327, 32.509

Sweetspot

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



48, 42.327, 162.508



65, 20.300, 172.817



48, 69.058, 132.414



33, 13.701, 172.435



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 42.327, 162.508



61, 51.834, 161.749



41, 26.390, 230.407



27, 3.218, 174.981



48, 42.576, 162.281



1, 0.777, 175.732

Inverse Universe

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



27, 52.283, 18.414



35, 63.990, 20.367



28, 58.628, 42.757



26, 3.300, 356.490



26, 52.650, 18.959



0, 0.777, 355.719

Previews

White Background



This preview shows how the CIE LCh color 48, 42.327, 162.509 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 48, 42.327, 162.509 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, 42.327, 162.509

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.327, 162.509.



This preview shows how white text looks on a background with the CIELCh color 48, 42.327, 162.509.

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, 42.270, 162.466

Protanopia

48, 17.448, 94.508

Deuteranopia

48, 12.377, 58.055



Tritanopia
48, 24.331, 211.260

Trichromacy



Original Color
48, 42.270, 162.466

Protanomaly
46, 25.282, 148.634

Deuteranomaly
46, 19.203, 152.283

Tritanomaly
48, 29.190, 187.006

Monochromacy



Original Color
48, 42.270, 162.466

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 19.986, 171.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.327, 162.509 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, 130, 91)` looks like.

```
.text, #text, p{  
    color:rgb(2, 130, 91)  
}
```

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, 130, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 130, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.327, 162.509 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, 130, 91) }
```

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

```
.border{ border-color:rgb(2, 130, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 130, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 130, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 130, 91);  
box-shadow:4px 4px 4px 4px rgb(2, 130, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.327, 162.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 130, 91) }
```

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

```
.background{ background-color: rgb(2, 130,  
91) }
```

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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