

Converting Colors

CIELCh(51, 69.826, 152.028)

Have a look what the booklet for
CIELCh(51, 69.826, 152.028)
contains.

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Color

CIELCh(52, 62.025, 146.104)

Conversions

Conversions Part 1

Format	Color
Hex	00903D
RGB	0, 144, 61
RGB Percent	0%, 56%, 24%
CMY	1.0000, 0.4369, 0.7623
CMYK	1.00, 0.00, 0.58, 0.44
HSL	145°, 100%, 28%
HSV	145°, 100%, 56%
XYZ	10.7257, 20.1443, 7.6844
YIQ	91.4820, -59.1810, -56.3410

Conversions

Conversions Part 2

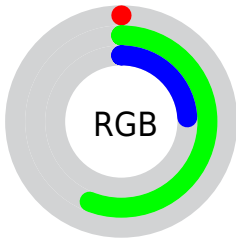
Format	Color
RYB	0, 101, 144
Decimal	36925
CIELab	52.00, -51.48, 34.59
CIELCh	52, 62.025, 146.104
Yxy	20.1443, 0.2782, 0.5225
Android (android.graphics.Color)	4278227005 (0xFF00903D)
YUV	91.4820, -15.0276, -80.2297
Hunter-Lab	44.8824, -35.8877, 21.2665

Details

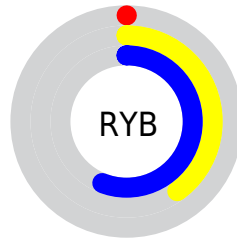
The CIELCh color **52, 62.025, 146.104** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 56.643, 354.099**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 61.943, 146.195**, and **33, 54.052, 138.121** is the 20% darker color. If you saturate the color by 10%, you get **52, 61.965, 146.051**, and if you desaturate by 10%, it is **52, 57.946, 148.063**.

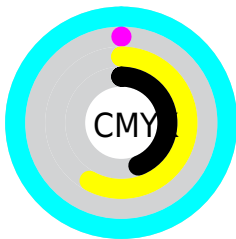
Distribution



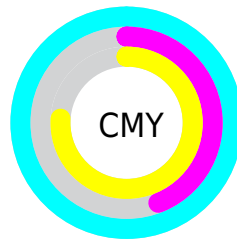
- Red (0%)
- Green (56%)
- Blue (24%)



- Red (0%)
- Yellow (40%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 62.025, 146.104 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 52, 62.025, 146.104 by changing the saturation by 10% instead.


 52, 62.025,
146.104


 52, 62.025,
146.104


 100, 62.025,
146.104


 42, 62.025,
146.104


 72, 62.025,
146.104

 32, 62.025,
146.104

 82, 62.025,
146.104

 22, 62.025,
146.104

 92, 62.025,
146.104

 12, 62.025,
146.104

 2, 62.025, 146.104

 0, 62.025, 146.104

■ 52, 62.025,
146.104

■ 52, 62.025,
146.104

■ 52, 61.965,
146.051

■ 52, 57.946,
148.063

■ 53, 53.390,
150.035

■ 53, 48.163,
151.820

■ 54, 42.311,
153.409

■ 54, 35.923,
154.811

■ 55, 29.115,
156.045

■ 56, 22.008,
157.131

■ 57, 14.719,

158.095

■ 58, 7.352, 158.965

Harmonies

Complementary

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



52, 62.025, 146.104



31, 56.643, 354.099

Rectangle

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



52, 62.025, 146.104



52, 62.025, 196.104



52, 62.025, 326.104



52, 62.025, 16.104

Sweetspot

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



52, 61.965, 146.051



71, 27.190, 157.067



54, 69.008, 124.686



37, 18.650, 156.669



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 61.965, 146.051



66, 75.843, 145.551



53, 35.175, 184.660



30, 4.131, 159.034



49, 59.125, 146.187



2, 2.789, 159.691

Inverse Universe

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



31, 56.643, 354.099



40, 68.348, 354.857



29, 64.576, 35.742



28, 4.167, 340.330



29, 54.256, 353.899



1, 2.789, 339.682

Previews

White Background



This preview shows how the CIELCh color 52, 62.025, 146.104 looks on a white 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

Black Background



This preview shows how the CIE LCh color 52, 62.025, 146.104 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 × Fail

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

CIELCh 52, 62.025, 146.104

Background



This preview shows how black text looks on a background with the CIELCh color 52, 62.025, 146.104.



This preview shows how white text looks on a background with the CIELCh color 52, 62.025, 146.104.

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

52, 62.025, 146.104

Protanopia

52, 39.463, 96.202

Deuteranopia

52, 32.909, 78.390



Tritanopia
52, 24.161, 212.738

Trichromacy



Original Color

52, 62.025, 146.104



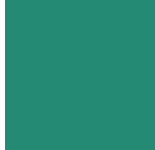
Protanomaly

50, 45.748, 129.508



Deuteranomaly

50, 37.548, 126.888



Tritanomaly

52, 34.593, 173.213

Monochromacy



Original Color

52, 62.025, 146.104



Achromatopsia

39, 0.005, 296.813



Achromatomaly

42, 27.437, 155.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 62.025, 146.104 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(0, 144, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 61)  
}
```

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(0, 144, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 62.025, 146.104 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(0, 144, 61) }
```

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

```
.border{ border-color:rgb(0, 144, 61) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 144, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 62.025, 146.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 61) }
```

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

```
.background{ background-color: rgb(0, 144,  
61) }
```

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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