

Converting Colors

CIELCh(54, 70.397, 125.977)

Have a look what the booklet for
CIELCh(54, 70.397, 125.977)
contains.

CIELCh(54, 70.232, 125.910)	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(54, 70.232, 125.910)

Conversions

Conversions Part 1

Format	Color
Hex	509100
RGB	80, 145, 0
RGB Percent	31%, 57%, 0%
CMY	0.6861, 0.4312, 0.9996
CMYK	0.45, 0.00, 1.00, 0.43
HSL	87°, 100%, 28%
HSV	87°, 100%, 57%
XYZ	13.4466, 21.9746, 3.5355
YIQ	109.0350, 7.8050, -58.8750

Conversions

Conversions Part 2

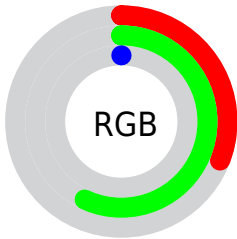
Format	Color
RYB	0, 145, 65
Decimal	5280000
CIELab	54.00, -41.19, 56.88
CIELCh	54, 70.232, 125.910
Yxy	21.9746, 0.3452, 0.5641
Android (android.graphics.Color)	4283470080 (0xFF509100)
YUV	109.0350, -53.7543, -25.4637
Hunter-Lab	46.8770, -30.8324, 28.3422

Details

The CIELCh color $54, 70.232, 125.910$ is a dark color, and the websafe version is hex 669900 . A complement of this color would be $21, 82.651, 311.004$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $74, 69.813, 125.792$, and $34, 56.045, 133.782$ is the 20% darker color. If you saturate the color by 10%, you get $54, 70.255, 125.917$, and if you desaturate by 10%, it is $54, 66.984, 125.090$.

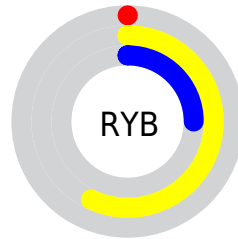
Distribution



Red (31%)

Green (57%)

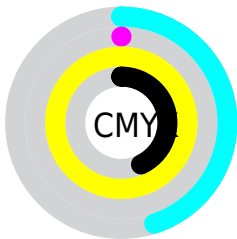
Blue (0%)



Red (0%)

Yellow (57%)

Blue (25%)

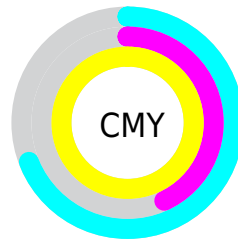


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (69%)


Magenta (43%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 70.232, 125.910 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 54, 70.232, 125.910 by changing the saturation by 10% instead.


 54, 70.232,
125.910


 54, 70.232,
125.910


 100, 70.232,
125.910


 44, 70.232,
125.910


 74, 70.232,
125.910

 34, 70.232,
125.910

 84, 70.232,
125.910

 24, 70.232,
125.910

 94, 70.232,
125.910

 14, 70.232,
125.910

 4, 70.232, 125.910

 0, 70.232, 125.910

■ 54, 70.232,
125.910

■ 54, 70.232,
125.910

■ 54, 70.255,
125.917

■ 54, 66.984,
125.090

■ 55, 62.544,
124.569

■ 55, 56.696,
124.446

■ 56, 49.787,
124.604

■ 56, 42.152,
124.939

■ 57, 34.050,
125.370

■ 58, 25.667,
125.846

■ 58, 17.131,

126.332

■ 59, 8.531, 126.810

Harmonies

Complementary

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



54, 70.232, 125.910



21, 82.651, 311.004

Rectangle

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



54, 70.232, 125.910



54, 70.232, 175.910



54, 70.232, 305.910



54, 70.232, 355.910

Sweetspot

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



54, 70.232, 125.911



73, 31.879, 125.812



37, 57.404, 56.229



38, 21.641, 125.632



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



54, 70.232, 125.911



69, 85.553, 126.259



52, 78.257, 135.650



30, 4.790, 126.846



51, 66.671, 125.810



2, 3.240, 127.247

Inverse Universe

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



21, 82.651, 311.004



28, 100.626, 310.772



32, 76.175, 325.676



28, 4.859, 307.658



19, 78.484, 311.075



0, 3.241, 307.245

Previews

White Background



This preview shows how the CIELCh color 54, 70.232, 125.910 looks on a white background.

Color Contrast Check

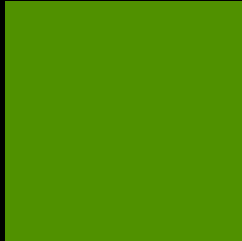
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 54, 70.232, 125.910 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 54, 70.232, 125.910

Background



This preview shows how black text looks on a background with the CIELCh color 54, 70.232, 125.910.



This preview shows how white text looks on a background with the CIELCh color 54, 70.232, 125.910.

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

54, 70.232, 125.910

Protanopia

54, 58.999, 95.371

Deuteranopia

54, 53.127, 82.470



Tritanopia
54, 14.214, 224.973

Trichromacy



Original Color
54, 70.232, 125.910

Protanomaly
53, 60.855, 109.025

Deuteranomaly
53, 55.312, 102.278

Tritanomaly
53, 32.668, 143.138

Monochromacy



Original Color
54, 70.232, 125.910

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 32.112, 125.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 70.232, 125.910 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(80, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 0)  
}
```

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(80, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 70.232, 125.910 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(80, 145, 0) }
```

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

```
.border{ border-color:rgb(80, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 145, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 70.232, 125.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 0) }
```

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

```
.background{ background-color: rgb(80, 145,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor