

Converting Colors

CIELCh(53, 54.650, 82.770)

Have a look what the booklet for
CIELCh(53, 54.650, 82.770) contains.

CIELCh(53, 54.593, 82.683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 54.593, 82.683)

Conversions

Conversions Part 1

Format	Color
Hex	A07816
RGB	160, 120, 22
RGB Percent	63%, 47%, 9%
CMY	0.3715, 0.5285, 0.9126
CMYK	0.00, 0.25, 0.86, 0.37
HSL	43°, 76%, 36%
HSV	43°, 86%, 63%
XYZ	21.4398, 21.0462, 3.7063
YIQ	120.7880, 55.2980, -21.9980

Conversions

Conversions Part 2

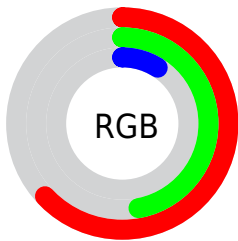
Format	Color
R_{YB}	78, 160, 22
Decimal	10516502
CIE _{Lab}	53.00, 6.95, 54.15
CIE _{LCh}	53, 54.593, 82.683
Yxy	21.0462, 0.4641, 0.4556
Android (android.graphics.Color)	4288706582 (0xFFA07816)
YUV	120.7880, -48.7025, 34.3889
Hunter-Lab	45.8761, 3.1370, 27.3233

Details

The CIELCh color **53, 54.593, 82.683** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 62.041, 293.969**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 54.515, 82.478**, and **33, 42.915, 79.558** is the 20% darker color. If you saturate the color by 10%, you get **52, 57.614, 80.752**, and if you desaturate by 10%, it is **54, 49.913, 84.350**.

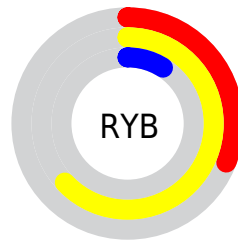
Distribution



Red (63%)

Green (47%)

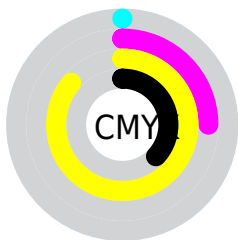
Blue (9%)



Red (31%)

Yellow (63%)

Blue (9%)

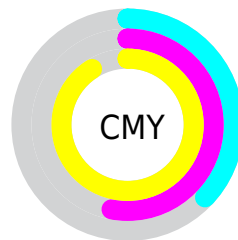


Cyan (0%)

Magenta (25%)

Yellow (86%)

Black (37%)



Cyan (37%)

Magenta (53%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 54.593, 82.683 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 53, 54.593, 82.683 by changing the saturation by 10% instead.

 53, 54.593, 82.683

 53, 54.593, 82.683

 100, 54.593,
82.683

 43, 54.593, 82.683

 73, 54.593, 82.683

 33, 54.593, 82.683

 83, 54.593, 82.683

 23, 54.593, 82.683

 93, 54.593, 82.683

 13, 54.593, 82.683

 3, 54.593, 82.683

 0, 54.593, 82.683

 53, 54.593, 82.683

 53, 54.593, 82.683

 52, 57.614, 80.752

 54, 49.913, 84.350

 51, 58.671, 79.994

 56, 44.104, 85.852

■ 57, 37.674, 87.265

■ 59, 30.955, 88.626

■ 60, 24.142, 89.948

■ 62, 17.342, 91.234

■ 63, 10.612, 92.480

■ 65, 3.978, 93.664

■ 67, 2.549, 274.948

Harmonies

Complementary

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



53, 54.593, 82.683



30, 62.041, 293.969

Rectangle

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



53, 54.593, 82.683



53, 54.593, 132.683



53, 54.593, 262.683



53, 54.593, 312.683

Sweetspot

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



53, 54.592, 82.686



79, 21.472, 91.182



35, 56.846, 13.607



41, 14.558, 90.770



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 54.592, 82.686



66, 71.417, 79.481



62, 66.314, 113.906



33, 3.667, 93.302



46, 53.952, 80.255



3, 4.603, 91.734

Inverse Universe

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



30, 62.041, 293.969



34, 90.670, 299.110



23, 84.775, 306.679



31, 3.682, 275.604



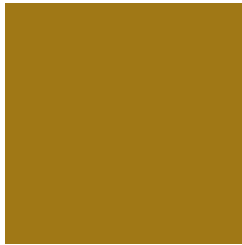
22, 66.397, 298.126



1, 4.857, 275.502

Previews

White Background



This preview shows how the CIELCh color 53, 54.593, 82.683 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 53, 54.593, 82.683 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 53, 54.593, 82.683

Background



This preview shows how black text looks on a background with the CIELCh color 53, 54.593, 82.683.



This preview shows how white text looks on a background with the CIELCh color 53, 54.593, 82.683.

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

53, 54.593, 82.683

Protanopia

53, 53.171, 95.201

Deuteranopia

53, 54.593, 82.683



Tritanopia
53, 22.945, 10.826

Trichromacy



Original Color
53, 54.593, 82.683

Protanomaly
53, 53.529, 91.009

Deuteranomaly
53, 54.593, 82.683

Tritanomaly
53, 29.281, 57.944

Monochromacy



Original Color
53, 54.593, 82.683

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 21.731, 90.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 54.593, 82.683 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(160, 120, 22)` looks like.

```
.text, #text, p{  
    color:rgb(160, 120, 22)  
}
```

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(160, 120, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 120, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 54.593, 82.683 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(160, 120, 22) }
```

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

```
.border{ border-color:rgb(160, 120, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 120, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 120, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 120, 22);  
box-shadow:4px 4px 4px 4px rgb(160, 120,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 54.593, 82.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 120, 22) }
```

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

```
.background{ background-color: rgb(160,  
120, 22) }
```

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