

Converting Colors

CIELCh(55, 72.156, 141.363)

Have a look what the booklet for
CIELCh(55, 72.156, 141.363)
contains.

CIELCh(55, 72.206, 141.277)	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(55, 72.206, 141.277)

Conversions

Conversions Part 1

Format	Color
Hex	00992D
RGB	0, 153, 45
RGB Percent	0%, 60%, 18%
CMY	1.0000, 0.4005, 0.8240
CMYK	1.00, 0.00, 0.71, 0.40
HSL	138°, 100%, 30%
HSV	138°, 100%, 60%
XYZ	11.8383, 22.9298, 6.2731
YIQ	94.9410, -56.5200, -66.0240

Conversions

Conversions Part 2

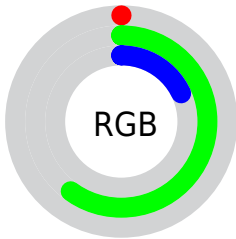
Format	Color
RYB	0, 118, 153
Decimal	39213
CIELab	55.00, -56.33, 45.17
CIELCh	55, 72.206, 141.277
Yxy	22.9298, 0.2884, 0.5587
Android (android.graphics.Color)	4278229293 (0xFF00992D)
YUV	94.9410, -24.6209, -83.2633
Hunter-Lab	47.8851, -39.6697, 25.7525

Details

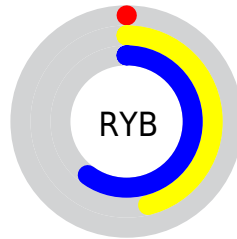
The CIELCh color **55, 72.206, 141.277** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **34, 63.442, 344.107**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 72.233, 141.342**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 72.189, 141.263**, and if you desaturate by 10%, it is **55, 67.756, 143.063**.

Distribution



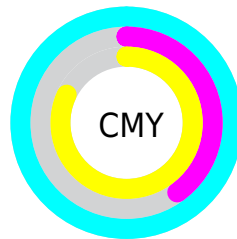
- Red (0%)
- Green (60%)
- Blue (18%)



- Red (0%)
- Yellow (46%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 72.206, 141.277 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 55, 72.206, 141.277 by changing the saturation by 10% instead.


 55, 72.206,
141.277


 55, 72.206,
141.277


 100, 72.206,
141.277


 45, 72.206,
141.277


 75, 72.206,
141.277

 35, 72.206,
141.277

 85, 72.206,
141.277

 25, 72.206,
141.277

 95, 72.206,
141.277

 15, 72.206,
141.277

 5, 72.206, 141.277

 0, 72.206, 141.277

■ 55, 72.206,
141.277

■ 55, 72.206,
141.277

■ 55, 72.189,
141.263

■ 55, 67.756,
143.063

■ 56, 62.504,
144.895

■ 56, 56.378,
146.591

■ 57, 49.478,
148.119

■ 57, 41.944,
149.469

■ 58, 33.930,
150.651

■ 59, 25.594,
151.681

■ 60, 17.080,

152.581

■ 62, 8.513, 153.378

Harmonies

Complementary

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



55, 72.206, 141.277



34, 63.442, 344.107

Rectangle

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



55, 72.206, 141.277



55, 72.206, 191.277



55, 72.206, 321.277



55, 72.206, 11.277

Sweetspot

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



55, 72.189, 141.263



75, 31.708, 151.624



58, 69.336, 118.858



39, 21.540, 151.241



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 72.189, 141.263



70, 88.561, 140.847



56, 43.176, 169.498



32, 4.812, 153.437



51, 67.531, 141.425



3, 5.207, 153.838

Inverse Universe

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



34, 63.442, 344.107



44, 76.799, 344.524



32, 62.306, 27.275



30, 4.836, 334.605



31, 59.654, 343.950



1, 5.145, 334.505

Previews

White Background



This preview shows how the CIELCh color 55, 72.206, 141.277 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 55, 72.206, 141.277 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 55, 72.206, 141.277

Background



This preview shows how black text looks on a background with the CIELCh color 55, 72.206, 141.277.



This preview shows how white text looks on a background with the CIELCh color 55, 72.206, 141.277.

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

55, 72.206, 141.277

Protanopia

55, 49.454, 95.282

Deuteranopia

55, 43.345, 80.691



Tritanopia
55, 24.952, 212.082

Trichromacy



Original Color
55, 72.206, 141.277



Protanomaly
53, 55.319, 124.843



Deuteranomaly
52, 47.584, 121.472



Tritanomaly
55, 39.219, 166.864

Monochromacy



Original Color
55, 72.206, 141.277



Achromatopsia
40, 0.006, 296.813



Achromatomaly
44, 32.176, 150.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 72.206, 141.277 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, 153, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 45)  
}
```

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, 153, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 72.206, 141.277 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, 153, 45) }
```

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

```
.border{ border-color:rgb(0, 153, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 72.206, 141.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 45) }
```

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

```
.background{ background-color: rgb(0, 153,  
45) }
```

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