

Converting Colors

CIELCh(55, 81.641, 136.016)

Have a look what the booklet for
CIELCh(55, 81.641, 136.016)
contains.

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Color

CIELCh(55, 81.422, 136.047)

Conversions

Conversions Part 1

Format	Color
Hex	049903
RGB	4, 153, 3
RGB Percent	2%, 60%, 1%
CMY	0.9831, 0.3986, 0.9895
CMYK	0.97, 0.00, 0.98, 0.40
HSL	119°, 97%, 31%
HSV	119°, 98%, 60%
XYZ	11.5165, 22.9298, 3.8954
YIQ	91.3490, -40.6540, -78.2380

Conversions

Conversions Part 2

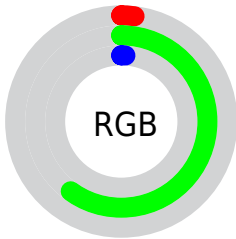
Format	Color
R_{YB}	3, 153, 152
Decimal	301315
CIE Lab	55.00, -58.62, 56.51
CIE LCh	55, 81.422, 136.047
Yxy	22.9298, 0.3004, 0.5980
Android (android.graphics.Color)	4278491395 (0xFF049903)
YUV	91.3490, -43.5561, -76.6051
Hunter-Lab	47.8851, -40.8690, 28.6964

Details

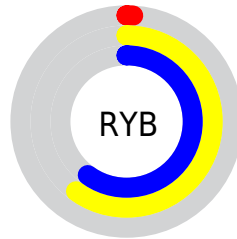
The CIELCh color **55, 81.422, 136.047** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 78.716, 327.802**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 81.342, 136.046**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.877, 135.960**, and if you desaturate by 10%, it is **55, 78.566, 136.550**.

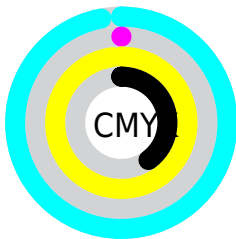
Distribution



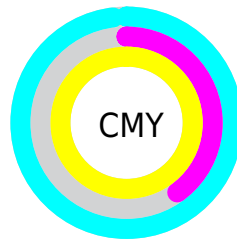
- Red (2%)
- Green (60%)
- Blue (1%)



- Red (1%)
- Yellow (60%)
- Blue (60%)



- Cyan (97%)
- Magenta (0%)
- Yellow (98%)
- Black (40%)





- Cyan (98%)
- Magenta (40%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.422, 136.047 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, 81.422, 136.047 by changing the saturation by 10% instead.


 55, 81.422,
136.047


 55, 81.422,
136.047


 100, 81.422,
136.047


 45, 81.422,
136.047


 75, 81.422,
136.047

 35, 81.422,
136.047

 85, 81.422,
136.047

 25, 81.422,
136.047

 95, 81.422,
136.047

 15, 81.422,
136.047

 5, 81.422, 136.047

 0, 81.422, 136.047

■ 55, 81.422,
136.047

■ 55, 81.422,
136.047

■ 55, 81.877,
135.960

■ 55, 78.566,
136.550

■ 55, 73.845,
137.318

■ 56, 67.246,
138.309

■ 56, 59.159,
139.387

■ 57, 49.989,
140.447

■ 58, 40.090,
141.426

■ 59, 29.753,
142.297

■ 61, 19.210,

143.057

■ 62, 8.642, 143.718

Harmonies

Complementary

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



55, 81.422, 136.047



36, 78.716, 327.802

Rectangle

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



55, 81.422, 136.047



55, 81.422, 186.047



55, 81.422, 316.047



55, 81.422, 6.047

Sweetspot

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



55, 81.421, 136.048



75, 37.735, 142.189



61, 65.108, 101.869



39, 25.788, 141.856



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, 81.421, 136.048



70, 99.285, 135.975



56, 60.830, 149.031



32, 5.910, 143.657



50, 76.702, 135.954



3, 6.363, 144.162

Inverse Universe

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



36, 78.716, 327.802



47, 95.890, 327.804



33, 57.988, 359.183



30, 5.920, 324.621



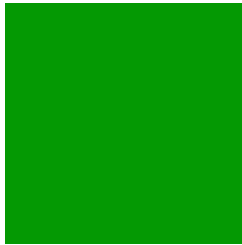
33, 74.101, 327.816



1, 6.361, 324.113

Previews

White Background



This preview shows how the CIELCh color 55, 81.422, 136.047 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, 81.422, 136.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

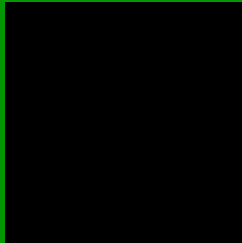
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 81.422, 136.047

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.422, 136.047.



This preview shows how white text looks on a background with the CIELCh color 55, 81.422, 136.047.

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, 81.252, 136.080

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 52.677, 81.975



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 81.252, 136.080



Protanomaly
53, 64.966, 120.050



Deuteranomaly
52, 57.737, 116.146



Tritanomaly
54, 44.632, 157.545

Monochromacy



Original Color
55, 81.252, 136.080



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 38.733, 140.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.422, 136.047 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(4, 153, 3)` looks like.

```
.text, #text, p{  
    color:rgb(4, 153, 3)  
}
```

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(4, 153, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 153, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.422, 136.047 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(4, 153, 3) }
```

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

```
.border{ border-color:rgb(4, 153, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 153, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 153, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 153, 3); box-shadow:4px  
4px 4px 4px rgb(4, 153, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.422, 136.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 153, 3) }
```

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

```
.background{ background-color: rgb(4, 153,  
3) }
```

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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