

Converting Colors

CIELCh(51, 69.948, 136.011)

Have a look what the booklet for
CIELCh(51, 69.948, 136.011)
contains.

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Color

CIELCh(51, 69.773, 136.039)

Conversions

Conversions Part 1

Format	Color
Hex	248C19
RGB	36, 140, 25
RGB Percent	14%, 55%, 10%
CMY	0.8577, 0.4502, 0.9010
CMYK	0.74, 0.00, 0.82, 0.45
HSL	114°, 69%, 32%
HSV	114°, 82%, 55%
XYZ	10.3246, 19.2686, 4.1087
YIQ	95.7940, -25.0690, -57.8130

Conversions

Conversions Part 2

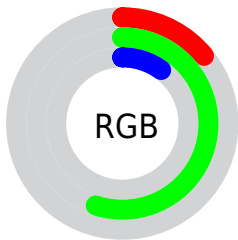
Format	Color
R_{YB}	25, 140, 129
Decimal	2395161
CIE Lab	51.00, -50.22, 48.43
CIE LCh	51, 69.773, 136.039
Yxy	19.2686, 0.3064, 0.5717
Android (android.graphics.Color)	4280585241 (0xFF248C19)
YUV	95.7940, -34.9014, -52.4393
Hunter-Lab	43.8960, -34.8338, 25.1776

Details

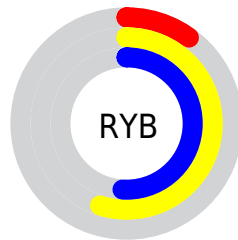
The CIELCh color **51, 69.773, 136.039** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **32, 69.011, 324.749**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 70.015, 135.927**, and **32, 55.146, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 73.843, 135.692**, and if you desaturate by 10%, it is **51, 63.971, 136.674**.

Distribution



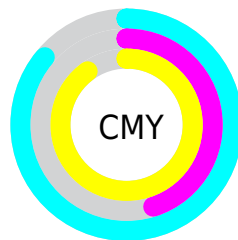
- Red (14%)
- Green (55%)
- Blue (10%)



- Red (10%)
- Yellow (55%)
- Blue (51%)



- Cyan (74%)
- Magenta (0%)
- Yellow (82%)
- Black (45%)





- Cyan (86%)
- Magenta (45%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 69.773, 136.039 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 51, 69.773, 136.039 by changing the saturation by 10% instead.


 51, 69.773,
136.039


 51, 69.773,
136.039


 100, 69.773,
136.039


 41, 69.773,
136.039


 71, 69.773,
136.039

 31, 69.773,
136.039

 81, 69.773,
136.039

 21, 69.773,
136.039

 91, 69.773,
136.039

 11, 69.773,
136.039

 1, 69.773, 136.039

 0, 69.773, 136.039

■ 51, 69.773,
136.039

■ 51, 69.773,
136.039

■ 51, 73.843,
135.692

■ 51, 63.971,
136.674

■ 51, 76.156,
135.446

■ 52, 56.786,
137.474

■ 53, 48.595,
138.328

■ 53, 39.725,
139.161

■ 54, 30.437,
139.930

■ 55, 20.936,
140.619

■ 57, 11.375,
141.226

■ 58, 1.871, 141.826

Harmonies

Complementary

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



51, 69.773, 136.039



32, 69.011, 324.749

Rectangle

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



51, 69.773, 136.039



51, 69.773, 186.039



51, 69.773, 316.039



51, 69.773, 6.039

Sweetspot

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



51, 69.773, 136.040



70, 29.332, 140.385



53, 53.126, 97.594



36, 20.165, 140.171



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 69.773, 136.040



64, 91.529, 135.615



51, 54.402, 148.731



28, 5.266, 141.387



48, 73.102, 135.413



1, 2.436, 141.825

Inverse Universe

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



32, 69.011, 324.749



40, 89.477, 324.547



32, 53.183, 347.870



27, 5.283, 322.234



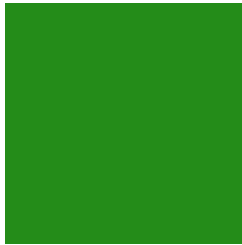
29, 71.551, 324.602



0, 2.436, 321.821

Previews

White Background



This preview shows how the CIELCh color 51, 69.773, 136.039 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 51, 69.773, 136.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

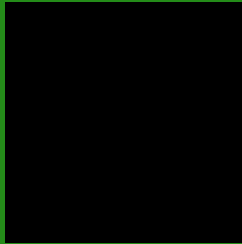
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 69.773, 136.039

Background



This preview shows how black text looks on a background with the CIELCh color 51, 69.773, 136.039.



This preview shows how white text looks on a background with the CIELCh color 51, 69.773, 136.039.

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

51, 69.773, 136.039

Protanopia

51, 52.027, 95.385

Deuteranopia

51, 46.301, 82.245



Tritanopia
51, 21.108, 213.673

Trichromacy



Original Color
51, 69.773, 136.039

Protanomaly
50, 55.241, 116.884

Deuteranomaly
49, 48.792, 112.171

Tritanomaly
50, 34.799, 160.221

Monochromacy



Original Color
51, 69.773, 136.039

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 29.626, 139.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 69.773, 136.039 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(36, 140, 25)` looks like.

```
.text, #text, p{  
    color:rgb(36, 140, 25)  
}
```

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(36, 140, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 140, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 69.773, 136.039 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(36, 140, 25) }
```

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

```
.border{ border-color:rgb(36, 140, 25) }
```

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

Here you see how a box with a 4 pixel rgb(36, 140, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 140, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 140, 25);  
box-shadow:4px 4px 4px 4px rgb(36, 140,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 69.773, 136.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 140, 25) }
```

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

```
.background{ background-color: rgb(36, 140,  
25) }
```

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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