

Converting Colors

CIELCh(52, 66.391, 136.540)

Have a look what the booklet for
CIELCh(52, 66.391, 136.540)
contains.

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Color

CIELCh(52, 66.351, 136.507)

Conversions

Conversions Part 1

Format	Color
Hex	2E8E24
RGB	46, 142, 36
RGB Percent	18%, 56%, 14%
CMY	0.8183, 0.4421, 0.8577
CMYK	0.67, 0.00, 0.74, 0.44
HSL	114°, 59%, 35%
HSV	114°, 74%, 56%
XYZ	11.1779, 20.1443, 4.9905
YIQ	101.2120, -23.1900, -53.3180

Conversions

Conversions Part 2

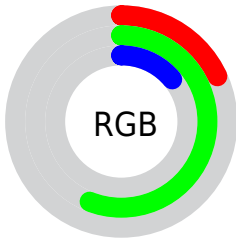
Format	Color
R_{YB}	36, 142, 132
Decimal	3051044
CIE _{Lab}	52.00, -48.13, 45.67
CIE _{LCh}	52, 66.351, 136.507
Yxy	20.1443, 0.3078, 0.5547
Android (android.graphics.Color)	4281241124 (0xFF2E8E24)
YUV	101.2120, -32.1495, -48.4209
Hunter-Lab	44.8824, -34.0892, 24.8253

Details

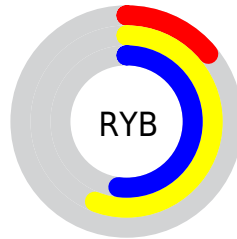
The CIELCh color **52, 66.351, 136.507** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **34, 65.958, 324.739**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 66.535, 136.599**, and **33, 56.009, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 71.792, 135.932**, and if you desaturate by 10%, it is **53, 59.407, 137.281**.

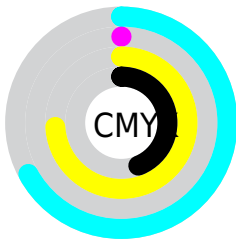
Distribution



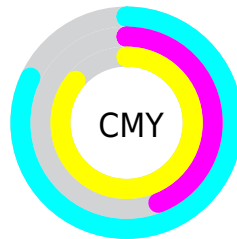
- Red (18%)
- Green (56%)
- Blue (14%)



- Red (14%)
- Yellow (56%)
- Blue (52%)



- Cyan (67%)
- Magenta (0%)
- Yellow (74%)
- Black (44%)





- Cyan (82%)
- Magenta (44%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 66.351, 136.507 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 52, 66.351, 136.507 by changing the saturation by 10% instead.


 52, 66.351,
136.507


 52, 66.351,
136.507


 100, 66.351,
136.507


 42, 66.351,
136.507


 72, 66.351,
136.507

 32, 66.351,
136.507

 82, 66.351,
136.507

 22, 66.351,
136.507

 92, 66.351,
136.507

 12, 66.351,
136.507

 2, 66.351, 136.507

 0, 66.351, 136.507

■ 52, 66.351,
136.507

■ 52, 66.351,
136.507

■ 52, 71.792,
135.932

■ 53, 59.407,
137.281

■ 51, 75.428,
135.660

■ 53, 51.346,
138.134

■ 51, 76.988,
135.463

■ 54, 42.517,
138.981

■ 55, 33.201,
139.772

■ 56, 23.620,
140.484

■ 57, 13.943,
141.113

■ 58, 4.297, 141.683

■ 60, 5.226, 322.069

■ 62, 14.564,
322.488

Harmonies

Complementary

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



52, 66.351, 136.507



34, 65.958, 324.739

Rectangle

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



52, 66.351, 136.507



52, 66.351, 186.507



52, 66.351, 316.507



52, 66.351, 6.507

Sweetspot

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



52, 66.351, 136.508



72, 26.407, 140.618



54, 50.411, 98.244



38, 17.887, 140.460



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 66.351, 136.508



66, 90.609, 135.723



52, 51.218, 150.083



30, 5.430, 141.418



49, 74.138, 135.434



2, 3.655, 141.860

Inverse Universe

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



34, 65.958, 324.739



42, 89.019, 324.747



34, 51.138, 346.489



28, 5.448, 322.272



29, 72.538, 324.641



1, 3.656, 321.855

Previews

White Background



This preview shows how the CIE LCh color 52, 66.351, 136.507 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 52, 66.351, 136.507 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 52, 66.351, 136.507

Background



This preview shows how black text looks on a background with the CIELCh color 52, 66.351, 136.507.



This preview shows how white text looks on a background with the CIELCh color 52, 66.351, 136.507.

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
52, 66.351, 136.507

Protanopia
51, 49.202, 95.422

Deuteranopia
52, 43.886, 80.934



Tritanopia
52, 20.426, 214.256

Trichromacy



Original Color
52, 66.351, 136.507



Protanomaly
51, 52.094, 116.521



Deuteranomaly
50, 45.698, 110.764



Tritanomaly
51, 32.524, 161.444

Monochromacy



Original Color
52, 66.351, 136.507



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 27.280, 139.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 66.351, 136.507 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(46, 142, 36)` looks like.

```
.text, #text, p{  
    color:rgb(46, 142, 36)  
}
```

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(46, 142, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 142, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 66.351, 136.507 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(46, 142, 36) }
```

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

```
.border{ border-color:rgb(46, 142, 36) }
```

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

Here you see how a box with a 4 pixel rgb(46, 142, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 142, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 142, 36);  
box-shadow:4px 4px 4px 4px rgb(46, 142,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 66.351, 136.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 142, 36) }
```

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

```
.background{ background-color: rgb(46, 142,  
36) }
```

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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