

Converting Colors

CIELCh(46, 62.321, 127.335)

Have a look what the booklet for
CIELCh(46, 62.321, 127.335)
contains.

CIELCh(46, 62.238, 127.431)	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(46, 62.238, 127.431)

Conversions

Conversions Part 1

Format	Color
Hex	3F7B04
RGB	63, 123, 4
RGB Percent	25%, 48%, 2%
CMY	0.7524, 0.5171, 0.9835
CMYK	0.49, 0.00, 0.97, 0.52
HSL	90°, 93%, 25%
HSV	90°, 97%, 48%
XYZ	9.1808, 15.2687, 2.5840
YIQ	91.4940, 2.4390, -49.7290

Conversions

Conversions Part 2

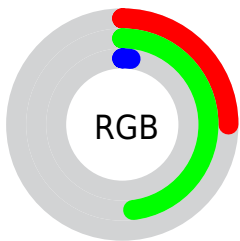
Format	Color
R_{YB}	4, 123, 64
Decimal	4160260
CIE Lab	46.00, -37.83, 49.42
CIE LCh	46, 62.238, 127.431
Yxy	15.2687, 0.3396, 0.5648
Android (android.graphics.Color)	4282350340 (0xFF3F7B04)
YUV	91.4940, -43.1345, -24.9892
Hunter-Lab	39.0751, -26.4424, 23.4318

Details

The CIELCh color **46, 62.238, 127.431** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 70.883, 312.431**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.237, 127.473**, and **26, 48.448, 136.151** is the 20% darker color. If you saturate the color by 10%, you get **46, 63.378, 127.617**, and if you desaturate by 10%, it is **46, 58.799, 126.786**.

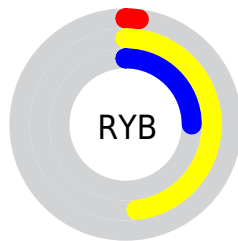
Distribution



Red (25%)

Green (48%)

Blue (2%)



Red (2%)

Yellow (48%)

Blue (25%)

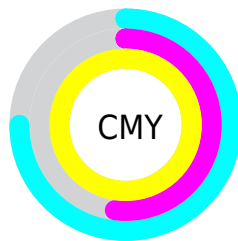


Cyan (49%)

Magenta (0%)

Yellow (97%)

Black (52%)



Cyan (75%)


Magenta (52%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 62.238, 127.431 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 46, 62.238, 127.431 by changing the saturation by 10% instead.


 46, 62.238,
127.431


 46, 62.238,
127.431


 100, 62.238,
127.431


 36, 62.238,
127.431

 66, 62.238,
127.431


 26, 62.238,
127.431

 76, 62.238,
127.431

 16, 62.238,
127.431

 86, 62.238,
127.431

 6, 62.238, 127.431

 96, 62.238,
127.431

 0, 62.238, 127.431

 46, 62.238,

 46, 62.238,

127.431

127.431

■ 46, 63.378,
127.617

■ 46, 58.799,
126.786

■ 47, 54.201,
126.484

■ 47, 48.516,
126.514

■ 48, 42.049,
126.766

■ 48, 35.058,
127.146

■ 49, 27.739,
127.591

■ 50, 20.230,
128.057

■ 50, 12.628,
128.519

Harmonies

Complementary

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



46, 62.238, 127.431



18, 70.883, 312.431

Rectangle

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



46, 62.238, 127.431



46, 62.238, 177.431



46, 62.238, 307.431



46, 62.238, 357.431

Sweetspot

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



46, 62.238, 127.432



63, 27.416, 127.910



34, 47.717, 62.458



33, 18.935, 127.744



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 62.238, 127.432



59, 77.201, 128.018



45, 68.895, 136.233



25, 4.264, 128.857



47, 64.064, 127.642



89, 108.757, 128.507

Inverse Universe

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



18, 70.883, 312.431



25, 88.146, 312.120



29, 66.616, 328.192



24, 4.318, 309.598



18, 73.239, 312.378



41, 123.972, 311.783

Previews

White Background



This preview shows how the CIELCh color 46, 62.238, 127.431 looks on a white 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

Black Background



This preview shows how the CIELCh color 46, 62.238, 127.431 looks on a black 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

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

CIELCh 46, 62.238, 127.431

Background



This preview shows how black text looks on a background with the CIELCh color 46, 62.238, 127.431.



This preview shows how white text looks on a background with the CIELCh color 46, 62.238, 127.431.

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


46, 62.238, 127.431

Protanopia

46, 52.247, 95.782

Deuteranopia

46, 46.309, 82.491



Tritanopia
46, 13.609, 224.295

Trichromacy



Original Color
46, 62.238, 127.431

Protanomaly
45, 53.508, 109.620

Deuteranomaly
45, 48.130, 103.388

Tritanomaly
45, 28.406, 146.346

Monochromacy



Original Color
46, 62.238, 127.431

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 27.147, 126.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 62.238, 127.431 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(63, 123, 4)` looks like.

```
.text, #text, p{  
    color:rgb(63, 123, 4)  
}
```

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(63, 123, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 123, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 62.238, 127.431 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(63, 123, 4) }
```

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

```
.border{ border-color:rgb(63, 123, 4) }
```

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

Here you see how a box with a 4 pixel rgb(63, 123, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 123, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 123, 4);  
box-shadow:4px 4px 4px 4px rgb(63, 123, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 62.238, 127.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 123, 4) }
```

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

```
.background{ background-color: rgb(63, 123,  
4) }
```

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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