

Converting Colors

CIELCh(45, 77.810, 120.469)

Have a look what the booklet for
CIELCh(45, 77.810, 120.469)
contains.

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Color

CIELCh(45, 62.238, 127.021)

Conversions

Conversions Part 1

Format	Color
Hex	3D7800
RGB	61, 120, 0
RGB Percent	24%, 47%, 0%
CMY	0.7592, 0.5277, 1.0000
CMYK	0.49, 0.00, 1.00, 0.53
HSL	89°, 100%, 24%
HSV	89°, 100%, 47%
XYZ	8.7140, 14.5417, 2.3243
YIQ	88.6790, 3.3560, -49.8280

Conversions

Conversions Part 2

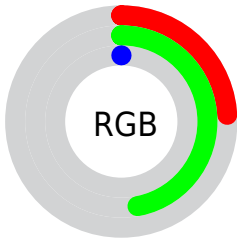
Format	Color
RYB	0, 120, 59
Decimal	4028416
CIELab	45.00, -37.47, 49.69
CIELCh	45, 62.238, 127.021
Yxy	14.5417, 0.3407, 0.5685
Android (android.graphics.Color)	4282218496 (0xFF3D7800)
YUV	88.6790, -43.7187, -24.2745
Hunter-Lab	38.1336, -25.9441, 23.0797

Details

The CIELCh color **45, 62.238, 127.021** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **17, 71.515, 312.098**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 62.126, 127.146**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **45, 62.078, 127.102**, and if you desaturate by 10%, it is **45, 58.800, 126.483**.

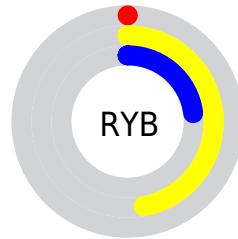
Distribution



Red (24%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (23%)

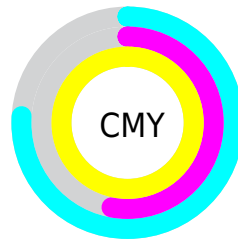


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (76%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 62.238, 127.021 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 45, 62.238, 127.021 by changing the saturation by 10% instead.


 45, 62.238,
127.021


 45, 62.238,
127.021


 100, 62.238,
127.021


 35, 62.238,
127.021

 65, 62.238,
127.021


 25, 62.238,
127.021

 75, 62.238,
127.021

 15, 62.238,
127.021

 85, 62.238,
127.021

 5, 62.238, 127.021

 95, 62.238,
127.021

 0, 62.238, 127.021

 45, 62.238,

 45, 62.238,

127.021

127.021

■ 45, 62.078,
127.102

■ 45, 58.800,
126.483

■ 46, 54.714,
126.043

■ 46, 49.474,
125.973

■ 47, 43.374,
126.158

■ 47, 36.684,
126.501

■ 48, 29.617,
126.927

■ 48, 22.323,
127.389

■ 49, 14.909,
127.856

Harmonies

Complementary

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



45, 62.238, 127.021



17, 71.515, 312.098

Rectangle

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



45, 62.238, 127.021



45, 62.238, 177.021



45, 62.238, 307.021



45, 62.238, 357.021

Sweetspot

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



45, 62.078, 127.102



61, 27.517, 127.356



32, 48.866, 60.740



32, 18.894, 127.196



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 62.078, 127.102



57, 75.017, 127.498



44, 68.667, 135.901



25, 4.250, 128.353



47, 63.775, 127.164



89, 108.251, 128.033

Inverse Universe

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



17, 71.515, 312.098



23, 86.319, 311.827



27, 66.403, 327.598



24, 4.306, 309.104



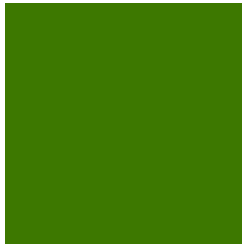
18, 73.457, 312.055



40, 124.360, 311.460

Previews

White Background



This preview shows how the CIELCh color 45, 62.238, 127.021 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 CIE LCh color 45, 62.238, 127.021 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 45, 62.238, 127.021

Background



This preview shows how black text looks on a background with the CIELCh color 45, 62.238, 127.021.



This preview shows how white text looks on a background with the CIELCh color 45, 62.238, 127.021.

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

45, 61.940, 127.145

Protanopia

45, 51.320, 95.055

Deuteranopia

45, 45.344, 82.656



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 61.940, 127.145

Protanomaly
44, 52.895, 109.156

Deuteranomaly
44, 47.653, 103.368

Tritanomaly
44, 28.953, 145.584

Monochromacy



Original Color
45, 61.940, 127.145

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 27.266, 126.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 62.238, 127.021 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(61, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 120, 0)  
}
```

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(61, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 120, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 62.238, 127.021 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(61, 120, 0) }
```

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

```
.border{ border-color:rgb(61, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 120, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 62.238, 127.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 120, 0) }
```

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

```
.background{ background-color: rgb(61, 120,  
0) }
```

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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