

Converting Colors

CIELCh(45, 55.043, 136.412)

Have a look what the booklet for
CIELCh(45, 55.043, 136.412)
contains.

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Color

CIELCh(45, 54.871, 136.296)

Conversions

Conversions Part 1

Format	Color
Hex	307925
RGB	48, 121, 37
RGB Percent	19%, 47%, 15%
CMY	0.8101, 0.5240, 0.8535
CMYK	0.60, 0.00, 0.69, 0.52
HSL	112°, 53%, 31%
HSV	112°, 69%, 48%
XYZ	8.4622, 14.5417, 4.1414
YIQ	89.5970, -16.5440, -41.6000

Conversions

Conversions Part 2

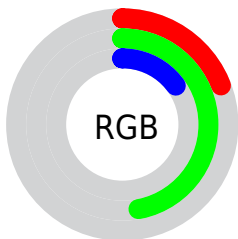
Format	Color
R_{YB}	37, 121, 110
Decimal	3176741
CIE Lab	45.00, -39.67, 37.91
CIE LCh	45, 54.871, 136.296
Yxy	14.5417, 0.3117, 0.5357
Android (android.graphics.Color)	4281366821 (0xFF307925)
YUV	89.5970, -25.9303, -36.4806
Hunter-Lab	38.1336, -27.1230, 20.2545

Details

The CIELCh color **45, 54.871, 136.296** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **30, 55.118, 323.473**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 54.840, 136.075**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **45, 60.566, 135.699**, and if you desaturate by 10%, it is **46, 48.128, 137.028**.

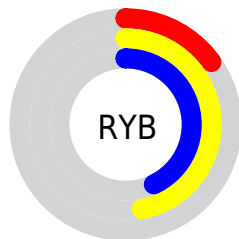
Distribution



Red (19%)

Green (47%)

Blue (15%)



Red (15%)

Yellow (47%)

Blue (43%)

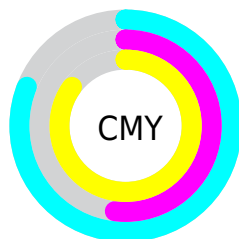


Cyan (60%)

Magenta (0%)

Yellow (69%)

Black (52%)



Cyan (81%)

Magenta (52%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 54.871, 136.296 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, 54.871, 136.296 by changing the saturation by 10% instead.


 45, 54.871,
136.296

 45, 54.871,
136.296


 100, 54.871,
136.296

 35, 54.871,
136.296

 65, 54.871,
136.296

 25, 54.871,
136.296

 75, 54.871,
136.296

 15, 54.871,
136.296

 85, 54.871,
136.296

 5, 54.871, 136.296

 95, 54.871,
136.296

 0, 54.871, 136.296

 45, 54.871,

 45, 54.871,

136.296

136.296

■ 45, 60.566,
135.699

■ 46, 48.128,
137.028

■ 44, 64.888,
135.352

■ 46, 40.647,
137.797

■ 44, 68.028,
135.096

■ 47, 32.684,
138.542

■ 44, 68.265,
135.057

■ 48, 24.437,
139.231

■ 49, 16.059,
139.850

■ 50, 7.667, 140.402

■ 51, 0.656, 320.612

■ 52, 8.850, 321.238

■ 54, 16.872,

Harmonies

Complementary

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



45, 54.871, 136.296



30, 55.118, 323.473

Rectangle

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



45, 54.871, 136.296



45, 54.871, 186.296



45, 54.871, 316.296



45, 54.871, 6.296

Sweetspot

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



45, 54.871, 136.297



62, 21.802, 139.714



46, 40.907, 96.814



32, 14.680, 139.582



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, 54.871, 136.297



57, 76.661, 135.459



45, 43.746, 149.762



25, 4.718, 140.409



45, 69.723, 135.081



87, 117.959, 135.454

Inverse Universe

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



30, 55.118, 323.473



36, 76.275, 323.561



30, 43.827, 343.497



24, 4.737, 321.202



26, 68.783, 323.334



54, 115.875, 323.081

Previews

White Background



This preview shows how the CIE LCh color 45, 54.871, 136.296 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, 54.871, 136.296 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, 54.871, 136.296

Background



This preview shows how black text looks on a background with the CIELCh color 45, 54.871, 136.296.



This preview shows how white text looks on a background with the CIELCh color 45, 54.871, 136.296.

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, 54.871, 136.296

Protanopia

45, 41.154, 95.373

Deuteranopia

45, 35.997, 81.232



Tritanopia
45, 16.596, 219.089

Trichromacy



Original Color
45, 54.871, 136.296

Protanomaly
44, 43.356, 116.125

Deuteranomaly
44, 37.452, 109.911

Tritanomaly
45, 25.789, 162.836

Monochromacy



Original Color
45, 54.871, 136.296

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 21.348, 139.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 54.871, 136.296 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(48, 121, 37)` looks like.

```
.text, #text, p{  
    color:rgb(48, 121, 37)  
}
```

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(48, 121, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 121, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 54.871, 136.296 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(48, 121, 37) }
```

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

```
.border{ border-color:rgb(48, 121, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 121, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 121, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 121, 37);  
box-shadow:4px 4px 4px 4px rgb(48, 121,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 54.871, 136.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 121, 37) }
```

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

```
.background{ background-color: rgb(48, 121,  
37) }
```

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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