

Converting Colors

CIELCh(45, 52.108, 131.852)

Have a look what the booklet for
CIELCh(45, 52.108, 131.852)
contains.

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Color

CIELCh(45, 52.105, 131.865)

Conversions

Conversions Part 1

Format	Color
Hex	3F7824
RGB	63, 120, 36
RGB Percent	25%, 47%, 14%
CMY	0.7540, 0.5305, 0.8598
CMYK	0.48, 0.00, 0.70, 0.53
HSL	101°, 54%, 30%
HSV	101°, 70%, 47%
XYZ	9.0309, 14.5417, 3.9789
YIQ	93.3810, -7.0080, -38.2080

Conversions

Conversions Part 2

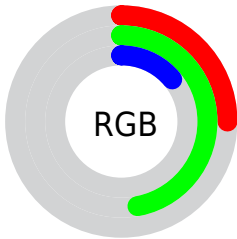
Format	Color
R_{YB}	36, 120, 93
Decimal	4159524
CIE _{Lab}	45.00, -34.77, 38.80
CIE _{LCh}	45, 52.105, 131.865
Yxy	14.5417, 0.3278, 0.5278
Android (android.graphics.Color)	4282349604 (0xFF3F7824)
YUV	93.3810, -28.2888, -26.6441
Hunter-Lab	38.1336, -24.4609, 20.5071

Details

The CIELCh color **45, 52.105, 131.865** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **26, 54.709, 317.577**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.326, 131.634**, and **25, 47.041, 135.545** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.608, 131.734**, and if you desaturate by 10%, it is **46, 45.689, 132.215**.

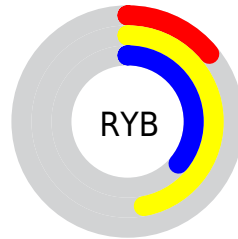
Distribution



Red (25%)

Green (47%)

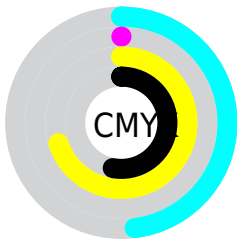
Blue (14%)



Red (14%)

Yellow (47%)

Blue (36%)

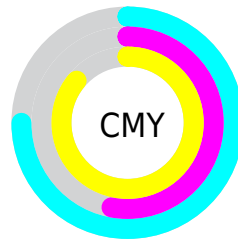


Cyan (48%)

Magenta (0%)

Yellow (70%)

Black (53%)



Cyan (75%)


Magenta (53%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.105, 131.865 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, 52.105, 131.865 by changing the saturation by 10% instead.


 45, 52.105,
131.865


 45, 52.105,
131.865


 100, 52.105,
131.865


 35, 52.105,
131.865

 65, 52.105,
131.865


 25, 52.105,
131.865

 75, 52.105,
131.865

 15, 52.105,
131.865

 85, 52.105,
131.865

 5, 52.105, 131.865

 95, 52.105,
131.865

 0, 52.105, 131.865

 45, 52.105,

 45, 52.105,

131.865

■ 45, 57.608,
131.734

■ 44, 61.891,
131.932

■ 44, 65.244,
132.228

131.865

■ 46, 45.689,
132.215

■ 46, 38.645,
132.682

■ 47, 31.198,
133.195

■ 48, 23.515,
133.709

■ 48, 15.719,
134.201

■ 49, 7.896, 134.659

■ 50, 0.111, 136.132

■ 51, 7.591, 315.398

■ 52, 15.176,

315.725

Harmonies

Complementary

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



45, 52.105, 131.865



26, 54.709, 317.577

Rectangle

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



45, 52.105, 131.865



45, 52.105, 181.865



45, 52.105, 311.865



45, 52.105, 1.865

Sweetspot

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



45, 52.105, 131.866



62, 20.298, 134.135



41, 35.934, 81.972



32, 13.848, 134.029



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, 52.105, 131.866



57, 72.917, 131.805



44, 50.985, 142.680



24, 4.302, 134.709



45, 66.308, 132.260



87, 113.408, 132.991

Inverse Universe

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



26, 54.709, 317.577



31, 76.715, 317.506



30, 49.728, 333.716



23, 4.338, 315.396



21, 69.690, 317.046



46, 118.539, 316.516

Previews

White Background



This preview shows how the CIELCh color 45, 52.105, 131.865 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, 52.105, 131.865 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, 52.105, 131.865

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.105, 131.865.



This preview shows how white text looks on a background with the CIELCh color 45, 52.105, 131.865.

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, 52.105, 131.865

Protanopia
45, 41.586, 95.397

Deuteranopia
45, 37.186, 81.005



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 52.105, 131.865

Protanomaly
44, 43.170, 111.758

Deuteranomaly
44, 38.262, 105.392

Tritanomaly
45, 22.827, 156.266

Monochromacy



Original Color
45, 52.105, 131.865

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 20.734, 133.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.105, 131.865 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, 120, 36)` looks like.

```
.text, #text, p{  
    color:rgb(63, 120, 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(63, 120, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 120, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.105, 131.865 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, 120, 36) }
```

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

```
.border{ border-color:rgb(63, 120, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 120, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 120, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 120, 36);  
box-shadow:4px 4px 4px 4px rgb(63, 120,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.105, 131.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 120, 36) }
```

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

```
.background{ background-color: rgb(63, 120,  
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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