

Converting Colors

CIELCh(44, 45.665, 125.194)

Have a look what the booklet for
CIELCh(44, 45.665, 125.194)
contains.

CIELCh(44, 45.678, 125.186)	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(44, 45.678, 125.186)

Conversions

Conversions Part 1

Format	Color
Hex	4E7225
RGB	78, 114, 37
RGB Percent	31%, 45%, 15%
CMY	0.6934, 0.5522, 0.8542
CMYK	0.32, 0.00, 0.67, 0.55
HSL	88°, 51%, 30%
HSV	88°, 67%, 45%
XYZ	9.5318, 13.8382, 3.9336
YIQ	94.4580, 3.2610, -31.5790

Conversions

Conversions Part 2

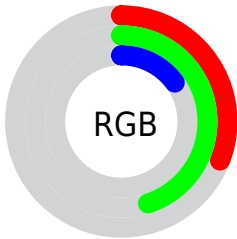
Format	Color
R_{YB}	37, 114, 73
Decimal	5141029
CIE _{Lab}	44.00, -26.32, 37.33
CIE _{LCh}	44, 45.678, 125.186
Yxy	13.8382, 0.3491, 0.5068
Android (android.graphics.Color)	4283331109 (0xFF4E7225)
YUV	94.4580, -28.3268, -14.4337
Hunter-Lab	37.1997, -19.3621, 19.7703

Details

The CIELCh color $44, 45.678, 125.186$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $24, 50.802, 311.333$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 45.511, 125.044$, and $24, 40.922, 128.397$ is the 20% darker color. If you saturate the color by 10%, you get $44, 50.924, 125.176$, and if you desaturate by 10%, it is $44, 39.696, 125.422$.

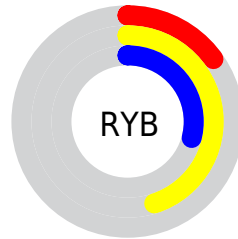
Distribution



Red (31%)

Green (45%)

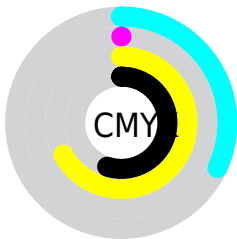
Blue (15%)



Red (15%)

Yellow (45%)

Blue (29%)

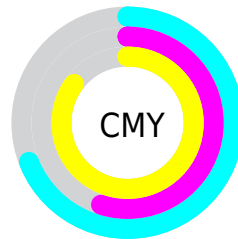


Cyan (32%)

Magenta (0%)

Yellow (67%)

Black (55%)



Cyan (69%)

Magenta (55%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 45.678, 125.186 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 44, 45.678, 125.186 by changing the saturation by 10% instead.


 44, 45.678,
125.186


 44, 45.678,
125.186


 100, 45.678,
125.186

 34, 45.678,
125.186

 64, 45.678,
125.186


 24, 45.678,
125.186

 74, 45.678,
125.186

 14, 45.678,
125.186

 84, 45.678,
125.186

 4, 45.678, 125.186

 94, 45.678,
125.186

 0, 45.678, 125.186

 44, 45.678,

 44, 45.678,

125.186

■ 44, 50.924,
125.176

■ 43, 55.153,
125.498

■ 43, 58.431,
126.100

■ 43, 59.277,
126.218

125.186

■ 44, 39.696,
125.422

■ 45, 33.218,
125.791

■ 46, 26.426,
126.230

■ 46, 19.449,
126.696

■ 47, 12.377,
127.164

■ 48, 5.272, 127.621

■ 48, 1.820, 307.992

■ 49, 8.867, 308.417

■ 50, 15.845,

Harmonies

Complementary

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



44, 45.678, 125.186



24, 50.802, 311.333

Rectangle

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



44, 45.678, 125.186



44, 45.678, 175.186



44, 45.678, 305.186



44, 45.678, 355.186

Sweetspot

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



44, 45.679, 125.187



59, 17.545, 127.021



35, 31.399, 64.134



30, 11.891, 126.921



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 45.679, 125.187



56, 64.424, 125.310



42, 52.407, 138.236



23, 3.931, 127.551



45, 61.410, 126.304



88, 105.773, 127.228

Inverse Universe

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



24, 50.802, 311.333



26, 73.483, 311.748



29, 51.908, 326.534



21, 3.984, 308.308



16, 71.596, 311.608



39, 123.043, 310.981

Previews

White Background



This preview shows how the CIELCh color 44, 45.678, 125.186 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 44, 45.678, 125.186 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 44, 45.678, 125.186

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.678, 125.186.



This preview shows how white text looks on a background with the CIELCh color 44, 45.678, 125.186.

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

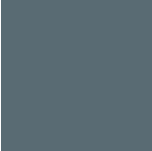
44, 45.678, 125.186

Protanopia

44, 39.747, 95.873

Deuteranopia

44, 36.567, 81.323



Tritanopia
44, 8.239, 234.512

Trichromacy



Original Color
44, 45.678, 125.186

Protanomaly
44, 40.675, 108.409

Deuteranomaly
44, 37.005, 100.258

Tritanomaly
44, 17.316, 145.245

Monochromacy



Original Color
44, 45.678, 125.186

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 17.720, 126.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.678, 125.186 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(78, 114, 37)` looks like.

```
.text, #text, p{  
    color:rgb(78, 114, 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(78, 114, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 114, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.678, 125.186 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(78, 114, 37) }
```

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

```
.border{ border-color:rgb(78, 114, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 114, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 114, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 114, 37);  
box-shadow:4px 4px 4px 4px rgb(78, 114,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.678, 125.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 114, 37) }
```

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

```
.background{ background-color: rgb(78, 114,  
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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