

Converting Colors

CIELCh(40, 43.701, 112.998)

Have a look what the booklet for
CIELCh(40, 43.701, 112.998)
contains.

CIELCh(40, 43.945, 113.200)	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(40, 43.945, 113.200)

Conversions

Conversions Part 1

Format	Color
Hex	566515
RGB	86, 101, 21
RGB Percent	34%, 40%, 8%
CMY	0.6642, 0.6053, 0.9192
CMYK	0.15, 0.00, 0.80, 0.61
HSL	71°, 66%, 24%
HSV	71°, 80%, 39%
XYZ	8.5539, 11.2510, 2.4108
YIQ	87.3950, 16.7400, -28.0600

Conversions

Conversions Part 2

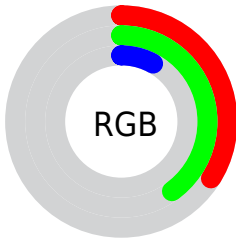
Format	Color
R_{YB}	21, 101, 36
Decimal	5661973
CIE Lab	40.00, -17.31, 40.39
CIE LCh	40, 43.945, 113.200
Yxy	11.2510, 0.3850, 0.5064
Android (android.graphics.Color)	4283852053 (0xFF566515)
YUV	87.3950, -32.7327, -1.2234
Hunter-Lab	33.5425, -13.1787, 19.2184

Details

The CIELCh color $40, 43.945, 113.200$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $15, 54.445, 305.534$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 44.034, 113.336$, and $20, 32.081, 118.921$ is the 20% darker color. If you saturate the color by 10%, you get $40, 47.159, 113.263$, and if you desaturate by 10%, it is $40, 39.770, 113.408$.

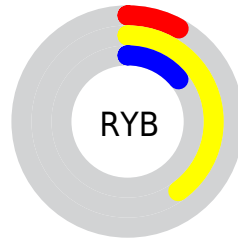
Distribution



Red (34%)

Green (40%)

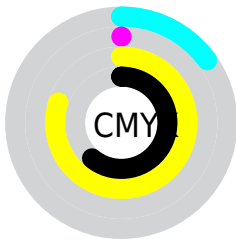
Blue (8%)



Red (8%)

Yellow (40%)

Blue (14%)

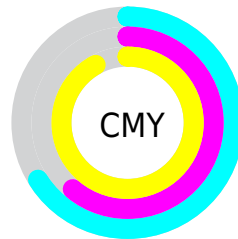


Cyan (15%)

Magenta (0%)

Yellow (80%)

Black (61%)



Cyan (66%)


Magenta (61%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 43.945, 113.200 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 40, 43.945, 113.200 by changing the saturation by 10% instead.


 40, 43.945,
113.200


 40, 43.945,
113.200


 100, 43.945,
113.200


 30, 43.945,
113.200

 60, 43.945,
113.200


 20, 43.945,
113.200

 70, 43.945,
113.200

 10, 43.945,
113.200

 80, 43.945,
113.200

 0, 43.945, 113.200

 90, 43.945,
113.200

 40, 43.945,

 40, 43.945,

113.200

■ 40, 47.159,
113.263

■ 40, 49.879,
113.432

■ 40, 50.014,
113.436

113.200

■ 40, 39.770,
113.408

■ 40, 34.884,
113.806

■ 41, 29.509,
114.332

■ 41, 23.814,
114.936

■ 41, 17.919,
115.581

■ 42, 11.902,
116.242

■ 42, 5.820, 116.901

■ 43, 0.292, 297.530

Harmonies

Complementary

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



40, 43.945, 113.200



15, 54.445, 305.534

Rectangle

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



40, 43.945, 113.200



40, 43.945, 163.200



40, 43.945, 293.200



40, 43.945, 343.200

Sweetspot

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



40, 43.945, 113.202



53, 18.020, 115.901



24, 37.764, 40.788



27, 12.462, 115.730



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 43.945, 113.202



51, 58.803, 113.540



38, 50.022, 131.856



21, 3.465, 116.940



45, 54.911, 113.588



90, 95.459, 114.197

Inverse Universe

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



15, 54.445, 305.534



16, 77.026, 306.952



20, 52.539, 317.751



19, 3.531, 298.119



12, 72.906, 307.446



32, 127.174, 307.051

Previews

White Background



This preview shows how the CIELCh color 40, 43.945, 113.200 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 40, 43.945, 113.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

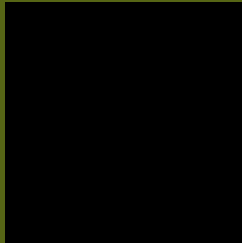
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 43.945, 113.200

Background



This preview shows how black text looks on a background with the CIELCh color 40, 43.945, 113.200.



This preview shows how white text looks on a background with the CIELCh color 40, 43.945, 113.200.

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


40, 43.945, 113.200

Protanopia

40, 41.615, 95.334

Deuteranopia

40, 39.374, 82.316



Tritanopia
40, 4.282, 285.400

Trichromacy



Original Color
40, 43.945, 113.200

Protanomaly
40, 41.598, 101.647

Deuteranomaly
40, 39.355, 94.441

Tritanomaly
40, 14.740, 118.450

Monochromacy



Original Color
40, 43.945, 113.200

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.713, 114.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 43.945, 113.200 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(86, 101, 21)` looks like.

```
.text, #text, p{  
    color:rgb(86, 101, 21)  
}
```

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(86, 101, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 101, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 43.945, 113.200 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(86, 101, 21) }
```

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

```
.border{ border-color:rgb(86, 101, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 101, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 101, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 101, 21);  
box-shadow:4px 4px 4px 4px rgb(86, 101,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 43.945, 113.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 101, 21) }
```

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

```
.background{ background-color: rgb(86, 101,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor