

Converting Colors

CIELCh(43, 45.457, 117.793)

Have a look what the booklet for
CIELCh(43, 45.457, 117.793)
contains.

CIELCh(43, 45.551, 118.258)	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(43, 45.551, 118.258)

Conversions

Conversions Part 1

Format	Color
Hex	566E1D
RGB	86, 110, 29
RGB Percent	34%, 43%, 11%
CMY	0.6637, 0.5695, 0.8872
CMYK	0.22, 0.00, 0.74, 0.57
HSL	78°, 58%, 27%
HSV	78°, 74%, 43%
XYZ	9.5867, 13.1578, 3.1816
YIQ	93.5900, 11.6970, -30.2790

Conversions

Conversions Part 2

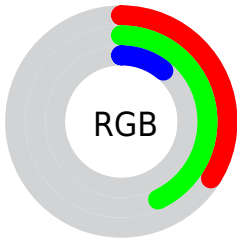
Format	Color
R_{YB}	29, 110, 53
Decimal	5664285
CIE Lab	43.00, -21.57, 40.12
CIE LCh	43, 45.551, 118.258
Yxy	13.1578, 0.3698, 0.5075
Android (android.graphics.Color)	4283854365 (0xFF566E1D)
YUV	93.5900, -31.8429, -6.6564
Hunter-Lab	36.2736, -16.3036, 20.1911

Details

The CIELCh color **43, 45.551, 118.258** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **19, 53.971, 307.296**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 45.558, 118.522**, and **23, 36.992, 122.376** is the 20% darker color. If you saturate the color by 10%, you get **43, 49.730, 118.350**, and if you desaturate by 10%, it is **43, 40.485, 118.439**.

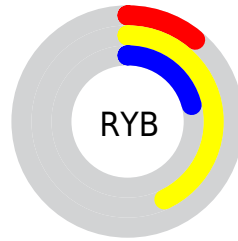
Distribution



Red (34%)

Green (43%)

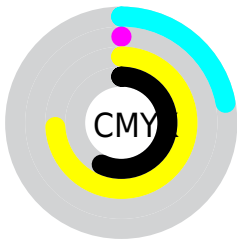
Blue (11%)



Red (11%)

Yellow (43%)

Blue (21%)

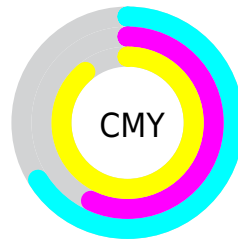


Cyan (22%)

Magenta (0%)

Yellow (74%)

Black (57%)



Cyan (66%)


Magenta (57%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 45.551, 118.258 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 43, 45.551, 118.258 by changing the saturation by 10% instead.


 43, 45.551,
118.258


 43, 45.551,
118.258


 100, 45.551,
118.258


 33, 45.551,
118.258

 63, 45.551,
118.258


 23, 45.551,
118.258

 73, 45.551,
118.258

 13, 45.551,
118.258

 83, 45.551,
118.258

 3, 45.551, 118.258

 93, 45.551,
118.258

 0, 45.551, 118.258

 43, 45.551,

 43, 45.551,

118.258

■ 43, 49.730,
118.350

■ 42, 52.832,
118.777

■ 42, 54.651,
119.033

118.258

■ 43, 40.485,
118.439

■ 44, 34.793,
118.799

■ 44, 28.685,
119.269

■ 45, 22.315,
119.800

■ 45, 15.786,
120.357

■ 46, 9.171, 120.918

■ 46, 2.520, 121.474

■ 47, 4.134, 301.981

■ 47, 10.763,

Harmonies

Complementary

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



43, 45.551, 118.258



19, 53.971, 307.296

Rectangle

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



43, 45.551, 118.258



43, 45.551, 168.258



43, 45.551, 298.258



43, 45.551, 348.258

Sweetspot

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



43, 45.551, 118.260



58, 18.116, 120.425



29, 35.305, 47.469



29, 12.081, 120.317



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 45.551, 118.260



55, 63.013, 118.657



41, 52.086, 134.336



23, 3.807, 121.183



46, 58.228, 119.167



90, 99.934, 119.963

Inverse Universe

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



19, 53.971, 307.296



20, 78.269, 308.255



25, 53.212, 320.830



21, 3.874, 302.166



14, 74.011, 308.627



34, 127.244, 308.119

Previews

White Background



This preview shows how the CIELCh color 43, 45.551, 118.258 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 43, 45.551, 118.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

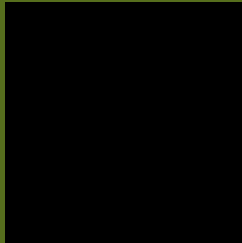
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 45.551, 118.258

Background



This preview shows how black text looks on a background with the CIELCh color 43, 45.551, 118.258.



This preview shows how white text looks on a background with the CIELCh color 43, 45.551, 118.258.

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

43, 45.551, 118.258

Protanopia

43, 41.875, 95.847

Deuteranopia

43, 39.226, 81.437



Tritanopia
43, 6.016, 263.790

Trichromacy



Original Color
43, 45.551, 118.258

Protanomaly
43, 42.255, 104.655

Deuteranomaly
43, 39.229, 96.388

Tritanomaly
43, 15.415, 129.552

Monochromacy



Original Color
43, 45.551, 118.258

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 17.855, 120.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 45.551, 118.258 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, 110, 29)` looks like.

```
.text, #text, p{  
    color:rgb(86, 110, 29)  
}
```

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, 110, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 110, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 45.551, 118.258 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, 110, 29) }
```

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

```
.border{ border-color:rgb(86, 110, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 110, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 110, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 110, 29);  
box-shadow:4px 4px 4px 4px rgb(86, 110,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 45.551, 118.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 110, 29) }
```

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

```
.background{ background-color: rgb(86, 110,  
29) }
```

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