

Converting Colors

CIELCh(17, 23.131, 98.163)

Have a look what the booklet for
CIELCh(17, 23.131, 98.163) contains.

CIELCh(17, 22.850, 97.558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(17, 22.850, 97.558)

Conversions

Conversions Part 1

Format	Color
Hex	2F2A05
RGB	47, 42, 5
RGB Percent	18%, 16%, 2%
CMY	0.8144, 0.8340, 0.9823
CMYK	0.00, 0.11, 0.90, 0.81
HSL	53°, 83%, 10%
HSV	53°, 90%, 19%
XYZ	2.0525, 2.3023, 0.4655
YIQ	39.2770, 14.8570, -10.4470

Conversions

Conversions Part 2

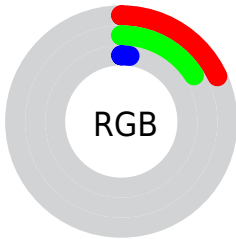
Format	Color
RYB	11, 47, 5
Decimal	3090949
CIELab	17.00, -3.01, 22.65
CIELCh	17, 22.850, 97.558
Yxy	2.3023, 0.4258, 0.4776
Android (android.graphics.Color)	4281281029 (0xFF2F2A05)
YUV	39.2770, -16.8986, 6.7731
Hunter-Lab	15.1734, -2.4080, 8.8023

Details

The CIELCh color **17, 22.850, 97.558** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 26.560, 293.457**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.108, 97.708**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 24.395, 97.099**, and if you desaturate by 10%, it is **17, 21.227, 98.133**.

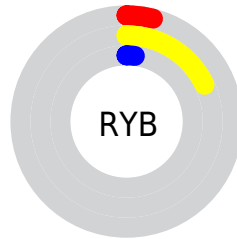
Distribution



Red (18%)

Green (16%)

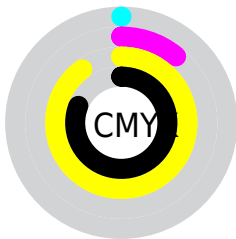
Blue (2%)



Red (4%)

Yellow (18%)

Blue (2%)

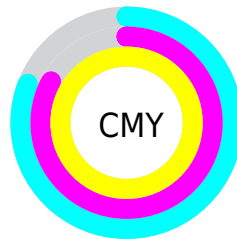


Cyan (0%)

Magenta (11%)

Yellow (90%)

Black (81%)



Cyan (81%)

Magenta (83%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.850, 97.558 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 17, 22.850, 97.558 by changing the saturation by 10% instead.

■ 17, 22.850, 97.558

■ 17, 22.850, 97.558

■ 100, 22.850,
97.558

■ 7, 22.850, 97.558

■ 0, 22.850, 97.558

■ 37, 22.850, 97.558

■ 47, 22.850, 97.558

■ 57, 22.850, 97.558

■ 67, 22.850, 97.558

■ 77, 22.850, 97.558

■ 87, 22.850, 97.558

■ 97, 22.850, 97.558

■ 17, 22.850, 97.558

■ 17, 22.850, 97.558

■ 17, 24.395, 97.099

■ 17, 21.227, 98.133

■ 17, 19.419, 98.796

■ 18, 17.061, 99.581

■ 18, 14.350,
100.480

■ 18, 11.560,
101.386

■ 19, 8.723, 102.292

■ 19, 5.864, 103.188

■ 19, 2.998, 104.067

■ 20, 0.135, 104.636

Harmonies

Complementary

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



17, 22.850, 97.558



4, 26.560, 293.457

Rectangle

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



17, 22.850, 97.558



17, 22.850, 147.558



17, 22.850, 277.558



17, 22.850, 327.558

Sweetspot

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



17, 22.850, 97.561



25, 9.593, 102.473



7, 22.733, 16.442



11, 6.274, 102.549



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 22.850, 97.561



22, 31.289, 96.078



17, 27.050, 123.205



8, 1.424, 104.736



32, 40.951, 95.394



77, 78.306, 94.646

Inverse Universe

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



4, 26.560, 293.457



4, 38.575, 298.758



4, 29.875, 306.577



7, 1.442, 285.235



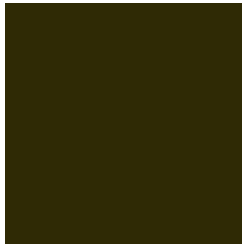
8, 54.352, 303.007



28, 111.257, 304.810

Previews

White Background



This preview shows how the CIE LCh color 17, 22.850, 97.558 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

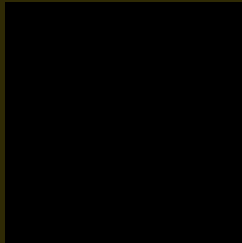
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.850, 97.558

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.850, 97.558.



This preview shows how white text looks on a background with the CIELCh color 17, 22.850, 97.558.

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

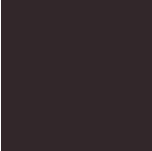
17, 22.449, 97.489

Protanopia

17, 22.951, 96.120

Deuteranopia

17, 21.802, 84.978



Tritanopia
17, 5.759, 359.711

Trichromacy



Original Color
17, 22.449, 97.489

Protanomaly
17, 22.951, 96.120

Deuteranomaly
17, 22.144, 89.872

Tritanomaly
17, 9.676, 78.075

Monochromacy



Original Color
17, 22.449, 97.489

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 9.726, 101.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.850, 97.558 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(47, 42, 5)` looks like.

```
.text, #text, p{  
    color:rgb(47, 42, 5)  
}
```

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(47, 42, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 42, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.850, 97.558 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(47, 42, 5) }
```

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

```
.border{ border-color:rgb(47, 42, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 42, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 42, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 42, 5); box-shadow:4px  
4px 4px 4px rgb(47, 42, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.850, 97.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 42, 5) }
```

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

```
.background{ background-color: rgb(47, 42,  
5) }
```

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