

Converting Colors

CIELCh(17, 20.098, 94.640)

Have a look what the booklet for
CIELCh(17, 20.098, 94.640) contains.

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Color

CIELCh(17, 20.138, 95.424)

Conversions

Conversions Part 1

Format	Color
Hex	302A0B
RGB	48, 42, 11
RGB Percent	19%, 16%, 4%
CMY	0.8120, 0.8355, 0.9572
CMYK	0.00, 0.13, 0.77, 0.81
HSL	50°, 63%, 12%
HSV	50°, 77%, 19%
XYZ	2.1016, 2.3023, 0.6476
YIQ	40.2600, 13.5270, -8.3690

Conversions

Conversions Part 2

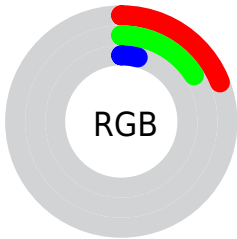
Format	Color
RYB	18, 48, 11
Decimal	3156491
CIELab	17.00, -1.90, 20.05
CIELCh	17, 20.138, 95.424
Yxy	2.3023, 0.4160, 0.4558
Android (android.graphics.Color)	4281346571 (0xFF302A0B)
YUV	40.2600, -14.4252, 6.7880
Hunter-Lab	15.1734, -1.8302, 8.0910

Details

The CIELCh color **17, 20.138, 95.424** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 23.181, 292.884**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 19.876, 95.786**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 21.695, 94.644**, and if you desaturate by 10%, it is **17, 18.212, 96.267**.

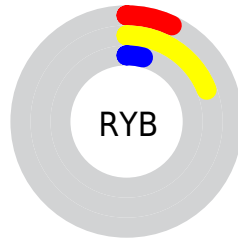
Distribution



Red (19%)

Green (16%)

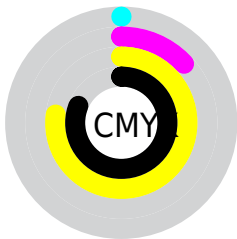
Blue (4%)



Red (7%)

Yellow (19%)

Blue (4%)

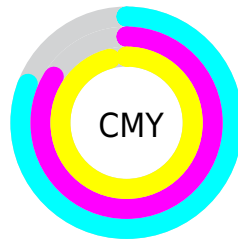


Cyan (0%)

Magenta (13%)

Yellow (77%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 20.138, 95.424 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, 20.138, 95.424 by changing the saturation by 10% instead.

■ 17, 20.138, 95.424

■ 17, 20.138, 95.424

■ 100, 20.138,
95.424

■ 7, 20.138, 95.424

■ 0, 20.138, 95.424

■ 37, 20.138, 95.424

■ 47, 20.138, 95.424

■ 57, 20.138, 95.424

■ 67, 20.138, 95.424

■ 77, 20.138, 95.424

■ 87, 20.138, 95.424

■ 97, 20.138, 95.424

■ 17, 20.138, 95.424

■ 17, 20.138, 95.424

■ 17, 21.695, 94.644

■ 17, 18.212, 96.267

■ 16, 23.244, 93.977

■ 18, 15.728, 97.197

■ 16, 23.672, 93.810

■ 18, 13.040, 98.165

■ 18, 10.299, 99.128

■ 19, 7.532, 100.080

■ 19, 4.760, 101.015

■ 20, 1.992, 101.919

■ 20, 0.764, 282.906

■ 20, 3.504, 283.722

Harmonies

Complementary

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



17, 20.138, 95.424



6, 23.181, 292.884

Rectangle

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



17, 20.138, 95.424



17, 20.138, 145.424



17, 20.138, 275.424



17, 20.138, 325.424

Sweetspot

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



17, 20.138, 95.427



25, 7.810, 100.367



8, 20.070, 14.548



11, 5.274, 100.315



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, 20.138, 95.427



22, 28.735, 93.435



18, 24.212, 120.406



8, 1.354, 102.231



31, 39.935, 92.081



74, 76.266, 90.967

Inverse Universe

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



6, 23.181, 292.884



6, 35.320, 297.779



6, 27.304, 306.453



7, 1.376, 282.949



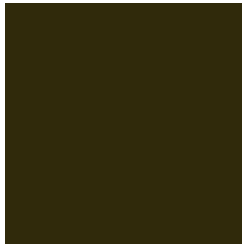
9, 51.909, 301.613



30, 107.370, 303.786

Previews

White Background



This preview shows how the CIE LCh color 17, 20.138, 95.424 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



This preview shows how the CIELCh color 17, 20.138, 95.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

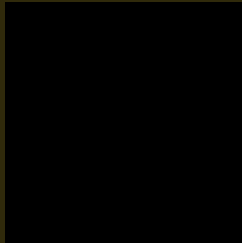
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 20.138, 95.424

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.138, 95.424.

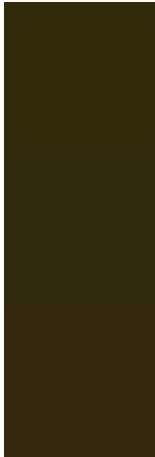


This preview shows how white text looks on a background with the CIELCh color 17, 20.138, 95.424.

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

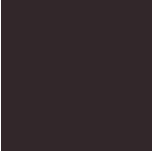
17, 20.138, 95.424

Protanopia

17, 20.031, 97.030

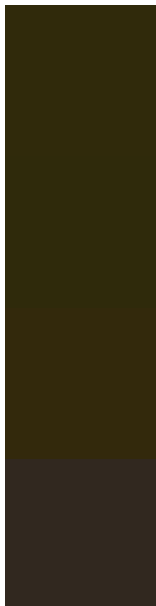
Deuteranopia

17, 19.831, 83.433



Tritanopia
17, 5.759, 359.711

Trichromacy



Original Color

17, 20.138, 95.424

Protanomaly

17, 20.031, 97.030

Deuteranomaly

17, 19.738, 88.562

Tritanomaly

17, 7.891, 71.634

Monochromacy



Original Color

17, 20.138, 95.424

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 8.369, 100.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.138, 95.424 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(48, 42, 11)` looks like.

```
.text, #text, p{  
    color:rgb(48, 42, 11)  
}
```

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(48, 42, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 42, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.138, 95.424 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(48, 42, 11) }
```

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

```
.border{ border-color:rgb(48, 42, 11) }
```

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

Here you see how a box with a 4 pixel rgb(48, 42, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 42, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 42, 11);  
box-shadow:4px 4px 4px 4px rgb(48, 42, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.138, 95.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 42, 11) }
```

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

```
.background{ background-color: rgb(48, 42,  
11) }
```

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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