

Converting Colors

CIELCh(20, 34.520, 42.692)

Have a look what the booklet for
CIELCh(20, 34.520, 42.692) contains.

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Color

CIELCh(20, 34.709, 42.951)

Conversions

Conversions Part 1

Format	Color
Hex	571E0E
RGB	87, 30, 14
RGB Percent	34%, 12%, 5%
CMY	0.6587, 0.8822, 0.9450
CMYK	0.00, 0.65, 0.84, 0.66
HSL	13°, 72%, 20%
HSV	13°, 84%, 34%
XYZ	4.4773, 2.9891, 0.7574
YIQ	45.2190, 39.1080, 7.1080

Conversions

Conversions Part 2

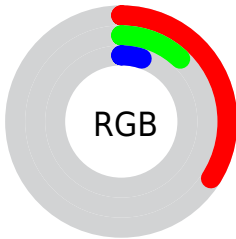
Format	Color
RYB	87, 34, 14
Decimal	5709326
CIELab	20.00, 25.40, 23.65
CIELCh	20, 34.709, 42.951
Yxy	2.9891, 0.5444, 0.3635
Android (android.graphics.Color)	4283899406 (0xFF571E0E)
YUV	45.2190, -15.3910, 36.6419
Hunter-Lab	17.2889, 15.9707, 9.5049

Details

The CIELCh color **20, 34.709, 42.951** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 18.626, 231.702**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 34.795, 43.249**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **19, 38.460, 42.156**, and if you desaturate by 10%, it is **22, 29.951, 42.542**.

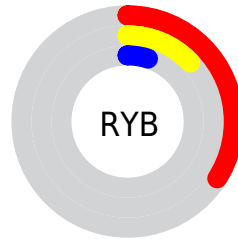
Distribution



Red (34%)

Green (12%)

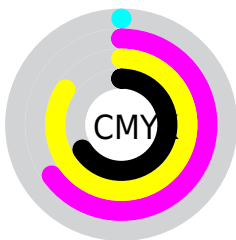
Blue (5%)



Red (34%)

Yellow (13%)

Blue (5%)

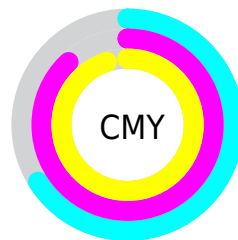


Cyan (0%)

Magenta (65%)

Yellow (84%)

Black (66%)



Cyan (66%)

Magenta (88%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 34.709, 42.951 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 20, 34.709, 42.951 by changing the saturation by 10% instead.

 20, 34.709, 42.951

 20, 34.709, 42.951

 100, 34.709,
42.951

 10, 34.709, 42.951

 40, 34.709, 42.951

 0, 34.709, 42.951

 50, 34.709, 42.951

 60, 34.709, 42.951

 70, 34.709, 42.951

 80, 34.709, 42.951

 90, 34.709, 42.951

 20, 34.709, 42.951

 20, 34.709, 42.951

■ 19, 38.460, 42.156

■ 22, 29.951, 42.542

■ 18, 40.576, 41.928

■ 23, 25.091, 41.944

■ 25, 20.431, 41.517

■ 27, 16.032, 41.265

■ 29, 11.916, 41.170

■ 32, 8.085, 41.201

■ 34, 4.525, 41.322

■ 36, 1.219, 41.378

■ 38, 1.857, 222.074

Harmonies

Complementary

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



20, 34.709, 42.951



28, 18.626, 231.702

Rectangle

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



20, 34.709, 42.951



20, 34.709, 92.951



20, 34.709, 222.951



20, 34.709, 272.951

Sweetspot

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



20, 34.708, 42.954



40, 10.513, 41.187



19, 41.783, 336.793



19, 7.151, 41.176



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



20, 34.708, 42.954



24, 51.355, 43.688



29, 33.212, 84.517



16, 1.784, 41.392



23, 49.251, 43.442



52, 92.880, 43.731

Inverse Universe

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



28, 18.626, 231.702



34, 24.112, 237.659



15, 36.627, 291.850



17, 1.700, 222.129



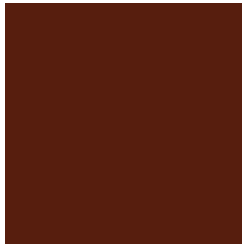
33, 23.313, 237.419



69, 41.848, 240.443

Previews

White Background



This preview shows how the CIE LCh color 20, 34.709, 42.951 looks on a white background.

Color Contrast Check

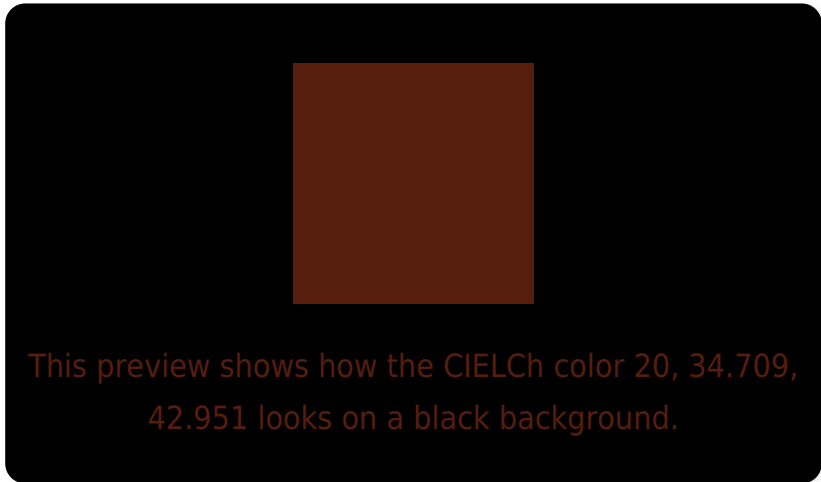
Large Text (above 18pt) WCAG AA ✓ Pass

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 20, 34.709, 42.951

Background



This preview shows how black text looks on a background with the CIELCh color 20, 34.709, 42.951.

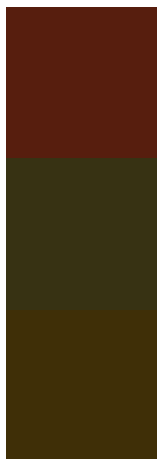


This preview shows how white text looks on a background with the CIELCh color 20, 34.709, 42.951.

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

20, 34.709, 42.951

Protanopia

21, 20.403, 97.633

Deuteranopia

20, 26.305, 84.158



Tritanopia
20, 30.965, 25.957

Trichromacy



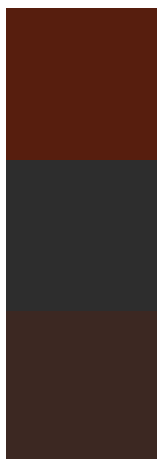
Original Color
20, 34.709, 42.951

Protanomaly
20, 22.506, 68.940

Deuteranomaly
20, 27.325, 64.985

Tritanomaly
20, 32.215, 33.399

Monochromacy



Original Color
20, 34.709, 42.951

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.410, 42.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 34.709, 42.951 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(87, 30, 14)` looks like.

```
.text, #text, p{  
    color:rgb(87, 30, 14)  
}
```

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(87, 30, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 30, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 34.709, 42.951 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(87, 30, 14) }
```

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

```
.border{ border-color:rgb(87, 30, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 30, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 30, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 30, 14);  
box-shadow:4px 4px 4px 4px rgb(87, 30, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 34.709, 42.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 30, 14) }
```

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

```
.background{ background-color: rgb(87, 30,  
14) }
```

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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