

Converting Colors

CIELCh(29, 40.794, 63.517)

Have a look what the booklet for
CIELCh(29, 40.794, 63.517) contains.

CIELCh(29, 40.820, 63.429)	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(29, 40.820, 63.429)

Conversions

Conversions Part 1

Format	Color
Hex	693807
RGB	105, 56, 7
RGB Percent	41%, 22%, 3%
CMY	0.5885, 0.7806, 0.9728
CMYK	0.00, 0.47, 0.93, 0.59
HSL	30°, 88%, 22%
HSV	30°, 93%, 41%
XYZ	7.2680, 5.8380, 0.9432
YIQ	65.0650, 44.9330, -4.8510

Conversions

Conversions Part 2

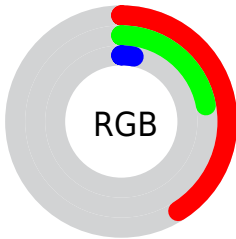
Format	Color
R_{YB}	105, 105, 7
Decimal	6895623
CIE Lab	29.00, 18.26, 36.51
CIE LCh	29, 40.820, 63.429
Yxy	5.8380, 0.5173, 0.4155
Android (android.graphics.Color)	4285085703 (0xFF693807)
YUV	65.0650, -28.6260, 35.0230
Hunter-Lab	24.1619, 11.4101, 14.5988

Details

The CIELCh color **29, 40.820, 63.429** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **23, 33.338, 278.996**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 41.087, 63.167**, and **9, 23.441, 37.051** is the 20% darker color. If you saturate the color by 10%, you get **28, 43.545, 62.468**, and if you desaturate by 10%, it is **30, 36.731, 65.160**.

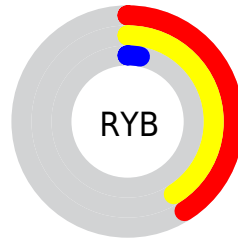
Distribution



Red (41%)

Green (22%)

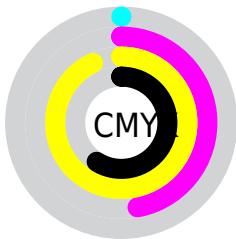
Blue (3%)



Red (41%)

Yellow (41%)

Blue (3%)

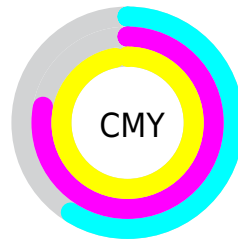


Cyan (0%)

Magenta (47%)

Yellow (93%)

Black (59%)



Cyan (59%)

Magenta (78%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 40.820, 63.429 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 29, 40.820, 63.429 by changing the saturation by 10% instead.

■ 29, 40.820, 63.429

■ 29, 40.820, 63.429

■ 100, 40.820,
63.429

■ 19, 40.820, 63.429

■ 49, 40.820, 63.429

■ 9, 40.820, 63.429

■ 59, 40.820, 63.429

■ 0, 40.820, 63.429

■ 69, 40.820, 63.429

■ 79, 40.820, 63.429

■ 89, 40.820, 63.429

■ 99, 40.820, 63.429

■ 29, 40.820, 63.429

■ 29, 40.820, 63.429

■ 28, 43.545, 62.468

■ 30, 36.731, 65.160

■ 32, 32.157, 66.617

■ 33, 27.388, 67.911

■ 35, 22.637, 69.138

■ 37, 18.010, 70.338

■ 38, 13.554, 71.526

■ 40, 9.284, 72.701

■ 42, 5.196, 73.852

■ 44, 1.282, 74.868

Harmonies

Complementary

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



29, 40.820, 63.429



23, 33.338, 278.996

Rectangle

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



29, 40.820, 63.429



29, 40.820, 113.429



29, 40.820, 243.429



29, 40.820, 293.429

Sweetspot

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



29, 40.819, 63.432



50, 13.851, 72.071



22, 43.073, 357.684



25, 9.708, 71.686



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



29, 40.819, 63.432



36, 52.916, 61.650



43, 48.759, 103.083



21, 2.197, 74.339



32, 47.614, 62.198



64, 82.949, 59.881

Inverse Universe

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



23, 33.338, 278.996



29, 43.938, 282.811



11, 65.599, 305.192



21, 2.156, 256.585



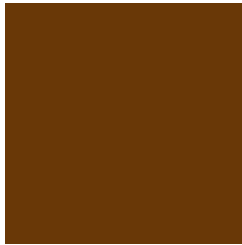
25, 39.131, 282.097



52, 71.279, 284.933

Previews

White Background



This preview shows how the CIE LCh color 29, 40.820, 63.429 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 CIE LCh color 29, 40.820, 63.429 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 29, 40.820, 63.429

Background



This preview shows how black text looks on a background with the CIELCh color 29, 40.820, 63.429.



This preview shows how white text looks on a background with the CIELCh color 29, 40.820, 63.429.

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

29, 40.820, 63.429

Protanopia

29, 33.828, 95.538

Deuteranopia

29, 38.558, 85.781



Tritanopia
29, 26.396, 19.508

Trichromacy



Original Color
29, 40.820, 63.429

Protanomaly
29, 34.538, 81.710

Deuteranomaly
29, 38.508, 76.414

Tritanomaly
29, 29.818, 42.158

Monochromacy



Original Color
29, 40.820, 63.429

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 14.930, 70.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 40.820, 63.429 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(105, 56, 7)` looks like.

```
.text, #text, p{  
    color:rgb(105, 56, 7)  
}
```

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(105, 56, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 56, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 40.820, 63.429 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(105, 56, 7) }
```

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

```
.border{ border-color:rgb(105, 56, 7) }
```

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

Here you see how a box with a 4 pixel rgb(105, 56, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 56, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 56, 7);  
box-shadow:4px 4px 4px 4px rgb(105, 56, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 40.820, 63.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 56, 7) }
```

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

```
.background{ background-color: rgb(105, 56,  
7) }
```

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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