

Converting Colors

CIELCh(29, 53.194, 42.113)

Have a look what the booklet for
CIELCh(29, 53.194, 42.113) contains.

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Color

CIELCh(29, 53.392, 42.043)

Conversions

Conversions Part 1

Format	Color
Hex	81220D
RGB	129, 34, 13
RGB Percent	51%, 13%, 5%
CMY	0.4942, 0.8667, 0.9491
CMYK	0.00, 0.74, 0.90, 0.49
HSL	11°, 82%, 28%
HSV	11°, 90%, 51%
XYZ	9.6948, 5.8380, 0.9962
YIQ	60.0110, 63.3610, 13.6090

Conversions

Conversions Part 2

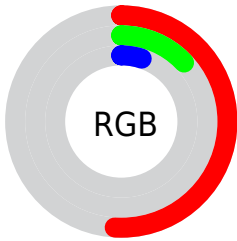
Format	Color
RYB	129, 39, 13
Decimal	8462861
CIELab	29.00, 39.65, 35.76
CIELCh	29, 53.392, 42.043
Yxy	5.8380, 0.5865, 0.3532
Android (android.graphics.Color)	4286652941 (0xFF81220D)
YUV	60.0110, -23.1764, 60.5034
Hunter-Lab	24.1619, 29.3386, 14.4689

Details

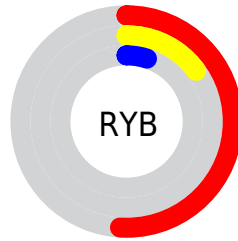
The CIELCh color **29, 53.392, 42.043** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 25.572, 227.336**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 53.178, 41.782**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **28, 58.808, 42.756**, and if you desaturate by 10%, it is **31, 46.855, 40.952**.

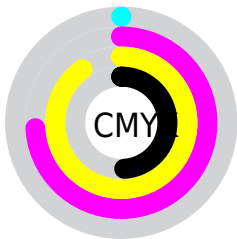
Distribution



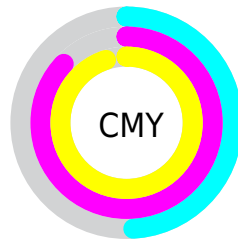
- Red (51%)
- Green (13%)
- Blue (5%)



- Red (51%)
- Yellow (15%)
- Blue (5%)



- Cyan (0%)
- Magenta (74%)
- Yellow (90%)
- Black (49%)



- Cyan (49%)
- Magenta (87%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 53.392, 42.043 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, 53.392, 42.043 by changing the saturation by 10% instead.

■ 29, 53.392, 42.043

■ 29, 53.392, 42.043

■ 100, 53.392,
42.043

■ 19, 53.392, 42.043

■ 49, 53.392, 42.043

■ 9, 53.392, 42.043

■ 59, 53.392, 42.043

■ 0, 53.392, 42.043

■ 69, 53.392, 42.043

■ 79, 53.392, 42.043

■ 89, 53.392, 42.043

■ 99, 53.392, 42.043

■ 29, 53.392, 42.043

■ 29, 53.392, 42.043

28, 58.808, 42.756

31, 46.855, 40.952

28, 58.843, 42.763

33, 39.959, 39.804

36, 33.146, 38.836

38, 26.619, 38.109

41, 20.473, 37.613

44, 14.742, 37.315

47, 9.429, 37.171

51, 4.514, 37.125

54, 0.032, 229.697

Harmonies

Complementary

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



29, 53.392, 42.043



42, 25.572, 227.336

Rectangle

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



29, 53.392, 42.043



29, 53.392, 92.043



29, 53.392, 222.043



29, 53.392, 272.043

Sweetspot

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



29, 53.390, 42.045



58, 16.377, 37.270



30, 59.781, 335.147



28, 11.108, 37.325



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 53.390, 42.045



37, 73.086, 43.100



41, 46.687, 78.520



25, 2.529, 37.121



27, 58.263, 42.720



0, 0.000, 0.000

Inverse Universe

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



42, 25.572, 227.336



53, 31.954, 231.157



24, 50.858, 292.125



26, 2.394, 217.572



40, 26.071, 230.212



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 53.392, 42.043 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, 53.392, 42.043 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, 53.392, 42.043

Background



This preview shows how black text looks on a background with the CIELCh color 29, 53.392, 42.043.



This preview shows how white text looks on a background with the CIELCh color 29, 53.392, 42.043.

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, 53.392, 42.043

Protanopia

30, 29.340, 96.356

Deuteranopia

29, 38.748, 85.033



Tritanopia
29, 47.810, 30.590

Trichromacy



Original Color
29, 53.392, 42.043

Protanomaly
28, 33.201, 64.559

Deuteranomaly
28, 40.926, 63.191

Tritanomaly
29, 49.600, 35.348

Monochromacy



Original Color
29, 53.392, 42.043

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 18.368, 38.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 53.392, 42.043 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(129, 34, 13)` looks like.

```
.text, #text, p{  
    color:rgb(129, 34, 13)  
}
```

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(129, 34, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 34, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 53.392, 42.043 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(129, 34, 13) }
```

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

```
.border{ border-color:rgb(129, 34, 13) }
```

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

Here you see how a box with a 4 pixel rgb(129, 34, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 34, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 34, 13);  
box-shadow:4px 4px 4px 4px rgb(129, 34,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 53.392, 42.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 34, 13) }
```

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

```
.background{ background-color: rgb(129, 34,  
13) }
```

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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