

Converting Colors

CIELCh(30, 42.459, 6.884)

Have a look what the booklet for
CIELCh(30, 42.459, 6.884) contains.

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Color

CIELCh(30, 42.551, 7.299)

Conversions

Conversions Part 1

Format	Color
Hex	812340
RGB	129, 35, 64
RGB Percent	51%, 14%, 25%
CMY	0.4942, 0.8628, 0.7491
CMYK	0.00, 0.73, 0.50, 0.49
HSL	341°, 57%, 32%
HSV	341°, 73%, 51%
XYZ	10.5749, 6.2359, 5.4939
YIQ	66.4120, 46.7150, 28.9470

Conversions

Conversions Part 2

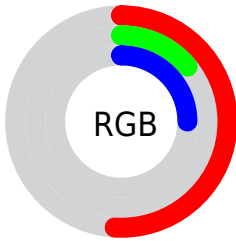
Format	Color
RYB	129, 35, 64
Decimal	8463168
CIELab	30.00, 42.21, 5.41
CIElCh	30, 42.551, 7.299
Yxy	6.2359, 0.4741, 0.2796
Android (android.graphics.Color)	4286653248 (0xFF812340)
YUV	66.4120, -1.1891, 54.8897
Hunter-Lab	24.9718, 31.8895, 4.4362

Details

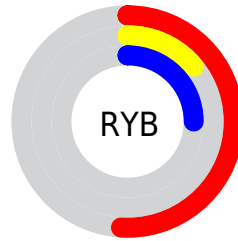
The CIELCh color **30, 42.551, 7.299** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 35.278, 166.891**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 42.727, 7.614**, and **13, 34.981, 15.062** is the 20% darker color. If you saturate the color by 10%, you get **28, 46.743, 10.840**, and if you desaturate by 10%, it is **32, 37.499, 4.484**.

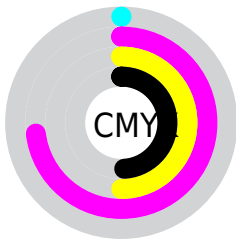
Distribution



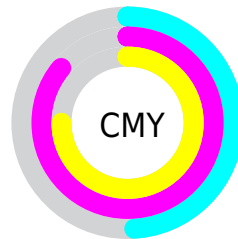
- Red (51%)
- Green (14%)
- Blue (25%)



- Red (51%)
- Yellow (14%)
- Blue (25%)



- Cyan (0%)
- Magenta (73%)
- Yellow (50%)
- Black (49%)



- Cyan (49%)
- Magenta (86%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 42.551, 7.299 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 30, 42.551, 7.299 by changing the saturation by 10% instead.

 30, 42.551, 7.299  30, 42.551, 7.299

 100, 42.551, 7.299  20, 42.551, 7.299

 50, 42.551, 7.299  10, 42.551, 7.299

 60, 42.551, 7.299  0, 42.551, 7.299

 70, 42.551, 7.299

 80, 42.551, 7.299

 90, 42.551, 7.299

 30, 42.551, 7.299  30, 42.551, 7.299

 28, 46.743, 10.840  32, 37.499, 4.484

 27, 49.999, 15.220  35, 31.823, 2.234

■ 26, 52.220, 18.449

■ 38, 25.780, 0.411

■ 42, 19.598,
358.904

■ 45, 13.448,
357.631

■ 49, 7.437, 356.525

■ 53, 1.631, 355.415

■ 57, 3.941, 174.877

■ 61, 9.270, 174.079

Harmonies

Complementary

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



30, 42.551, 7.299



48, 35.278, 166.891

Rectangle

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



30, 42.551, 7.299



30, 42.551, 57.299



30, 42.551, 187.299



30, 42.551, 237.299

Sweetspot

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



30, 42.549, 7.301



59, 16.065, 357.589



28, 59.893, 317.746



29, 10.782, 357.850



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 42.549, 7.301



37, 59.337, 13.438



32, 41.941, 40.277



25, 3.201, 356.133



26, 51.772, 18.378



0, 0.000, 0.000

Inverse Universe

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



30, 42.549, 7.301



37, 59.337, 13.438



43, 23.542, 223.666



25, 3.201, 356.133



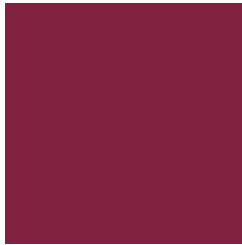
26, 51.772, 18.378



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 30, 42.551, 7.299 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 30, 42.551, 7.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

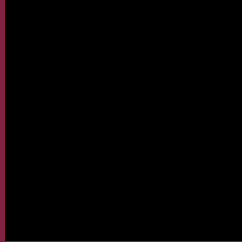
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 42.551, 7.299

Background



This preview shows how black text looks on a background with the CIELCh color 30, 42.551, 7.299.



This preview shows how white text looks on a background with the CIELCh color 30, 42.551, 7.299.

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

30, 42.551, 7.299

Protanopia

31, 8.311, 288.883

Deuteranopia

30, 9.271, 63.093



Tritanopia
30, 42.903, 27.708

Trichromacy



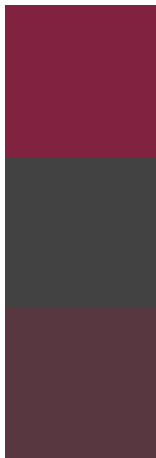
Original Color
30, 42.551, 7.299

Protanomaly
29, 18.696, 342.679

Deuteranomaly
29, 20.423, 16.378

Tritanomaly
30, 42.014, 20.222

Monochromacy



Original Color
30, 42.551, 7.299

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 16.763, 0.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 42.551, 7.299 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, 35, 64)` looks like.

```
.text, #text, p{  
    color:rgb(129, 35, 64)  
}
```

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, 35, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 35, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 42.551, 7.299 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, 35, 64) }
```

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

```
.border{ border-color:rgb(129, 35, 64) }
```

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

Here you see how a box with a 4 pixel rgb(129, 35, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 35, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 35, 64);  
box-shadow:4px 4px 4px 4px rgb(129, 35,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 42.551, 7.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 35, 64) }
```

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

```
.background{ background-color: rgb(129, 35,  
64) }
```

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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