

Converting Colors

CIELCh(30, 50.517, 7.175)

Have a look what the booklet for
CIELCh(30, 50.517, 7.175) contains.

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Color

CIELCh(30, 50.516, 7.015)

Conversions

Conversions Part 1

Format	Color
Hex	8A123F
RGB	138, 18, 63
RGB Percent	54%, 7%, 25%
CMY	0.4577, 0.9277, 0.7520
CMYK	0.00, 0.87, 0.54, 0.46
HSL	338°, 76%, 31%
HSV	338°, 87%, 54%
XYZ	11.6561, 6.2359, 5.3254
YIQ	59.0100, 57.0750, 39.4350

Conversions

Conversions Part 2

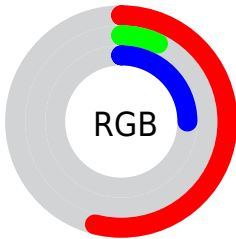
Format	Color
R_{YB}	138, 18, 63
Decimal	9048639
CIE _{Lab}	30.00, 50.14, 6.17
CIE _{LCh}	30, 50.516, 7.015
Yxy	6.2359, 0.5020, 0.2686
Android (android.graphics.Color)	4287238719 (0xFF8A123F)
YUV	59.0100, 1.9671, 69.2742
Hunter-Lab	24.9718, 39.6183, 4.8363

Details

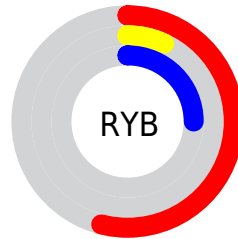
The CIELCh color **30, 50.516, 7.015** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **51, 44.690, 159.775**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 50.365, 7.199**, and **15, 38.157, 19.546** is the 20% darker color. If you saturate the color by 10%, you get **29, 53.056, 11.365**, and if you desaturate by 10%, it is **32, 46.944, 3.439**.

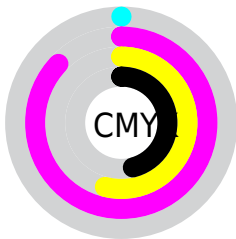
Distribution



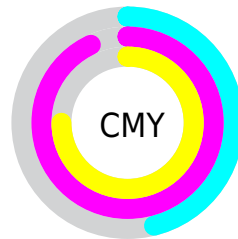
- Red (54%)
- Green (7%)
- Blue (25%)



- Red (54%)
- Yellow (7%)
- Blue (25%)



- Cyan (0%)
- Magenta (87%)
- Yellow (54%)
- Black (46%)



- Cyan (46%)
- Magenta (93%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 50.516, 7.015 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, 50.516, 7.015 by changing the saturation by 10% instead.

 30, 50.516, 7.015  30, 50.516, 7.015

 100, 50.516, 7.015  20, 50.516, 7.015

 50, 50.516, 7.015  10, 50.516, 7.015

 60, 50.516, 7.015  0, 50.516, 7.015

 70, 50.516, 7.015

 80, 50.516, 7.015

 90, 50.516, 7.015

 30, 50.516, 7.015  30, 50.516, 7.015

 29, 53.056, 11.365  32, 46.944, 3.439

 29, 53.926, 12.809  34, 42.242, 0.600

■ 37, 36.628,
358.336

■ 40, 30.405,
356.501

■ 43, 23.856,
354.982

■ 47, 17.208,
353.696

■ 51, 10.617,
352.579

■ 55, 4.182, 351.562

■ 59, 2.042, 170.953

Harmonies

Complementary

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



30, 50.516, 7.015



51, 44.690, 159.775

Rectangle

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



30, 50.516, 7.015



30, 50.516, 57.015



30, 50.516, 187.015



30, 50.516, 237.015

Sweetspot

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



30, 50.513, 7.017



61, 20.899, 353.685



26, 71.746, 315.647



30, 14.323, 354.055



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



30, 50.513, 7.017



38, 65.942, 14.120



31, 56.060, 38.982



27, 3.539, 351.814



27, 52.282, 12.576



0, 1.619, 351.054

Inverse Universe

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



30, 50.513, 7.017



38, 65.942, 14.120



48, 27.312, 214.705



27, 3.539, 351.814



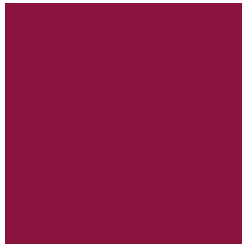
27, 52.282, 12.576



0, 1.619, 351.054

Previews

White Background



This preview shows how the CIE LCh color 30, 50.516, 7.015 looks on a white background.

Color Contrast Check

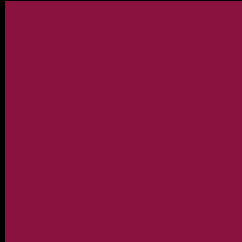
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.516, 7.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

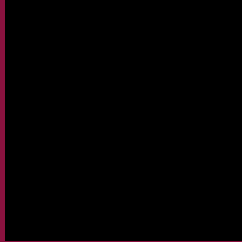
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 50.516, 7.015

Background



This preview shows how black text looks on a background with the CIELCh color 30, 50.516, 7.015.



This preview shows how white text looks on a background with the CIELCh color 30, 50.516, 7.015.

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, 50.516, 7.015

Protanopia

31, 10.875, 285.862

Deuteranopia

31, 10.546, 65.872



Tritanopia
30, 52.559, 32.366

Trichromacy



Original Color
30, 50.516, 7.015

Protanomaly
28, 24.265, 339.241

Deuteranomaly
28, 25.270, 12.043

Tritanomaly
30, 50.483, 23.563

Monochromacy



Original Color
30, 50.516, 7.015

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 22.562, 355.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 50.516, 7.015 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(138, 18, 63)` looks like.

```
.text, #text, p{  
    color:rgb(138, 18, 63)  
}
```

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(138, 18, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 18, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 50.516, 7.015 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(138, 18, 63) }
```

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

```
.border{ border-color:rgb(138, 18, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 18, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 18, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 18, 63);  
box-shadow:4px 4px 4px 4px rgb(138, 18,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 50.516, 7.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 18, 63) }
```

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

```
.background{ background-color: rgb(138, 18,  
63) }
```

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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