

Converting Colors

CIELCh(30, 51.084, 14.385)

Have a look what the booklet for
CIELCh(30, 51.084, 14.385) contains.

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Color

CIELCh(30, 51.019, 13.961)

Conversions

Conversions Part 1

Format	Color
Hex	8B1336
RGB	139, 19, 54
RGB Percent	55%, 7%, 21%
CMY	0.4545, 0.9249, 0.7879
CMYK	0.00, 0.86, 0.61, 0.45
HSL	343°, 76%, 31%
HSV	343°, 86%, 55%
XYZ	11.5683, 6.2359, 4.0938
YIQ	58.8700, 60.2850, 36.3250

Conversions

Conversions Part 2

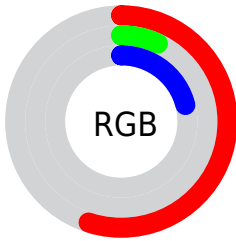
Format	Color
R_{YB}	139, 19, 54
Decimal	9114422
CIE _{Lab}	30.00, 49.51, 12.31
CIE _{LCh}	30, 51.019, 13.961
Yxy	6.2359, 0.5283, 0.2848
Android (android.graphics.Color)	4287304502 (0xFF8B1336)
YUV	58.8700, -2.4009, 70.2740
Hunter-Lab	24.9718, 38.9900, 7.7605

Details

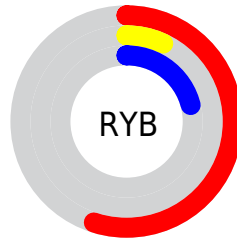
The CIELCh color **30, 51.019, 13.961** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **51, 40.863, 165.760**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 51.220, 14.115**, and **14, 40.018, 27.576** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.369, 18.708**, and if you desaturate by 10%, it is **32, 46.817, 10.001**.

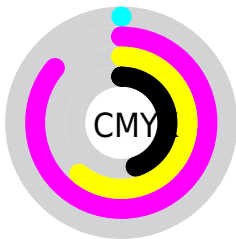
Distribution



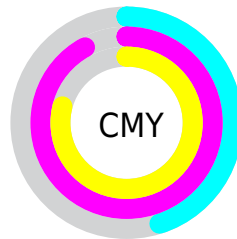
- Red (55%)
- Green (7%)
- Blue (21%)



- Red (55%)
- Yellow (7%)
- Blue (21%)



- Cyan (0%)
- Magenta (86%)
- Yellow (61%)
- Black (45%)



- Cyan (45%)
- Magenta (92%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 51.019, 13.961 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, 51.019, 13.961 by changing the saturation by 10% instead.

■ 30, 51.019, 13.961

■ 30, 51.019, 13.961

■ 100, 51.019,
13.961

■ 20, 51.019, 13.961

■ 50, 51.019, 13.961

■ 10, 51.019, 13.961

■ 60, 51.019, 13.961

■ 0, 51.019, 13.961

■ 70, 51.019, 13.961

■ 80, 51.019, 13.961

■ 90, 51.019, 13.961

■ 30, 51.019, 13.961

■ 30, 51.019, 13.961

■ 29, 54.369, 18.708

■ 32, 46.817, 10.001

29, 55.678, 20.460

34, 41.683, 6.838

37, 35.811, 4.323

40, 29.473, 2.304

44, 22.928, 0.656

47, 16.376,
359.281

51, 9.955, 358.105

55, 3.745, 357.041

59, 2.213, 176.427

Harmonies

Complementary

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



30, 51.019, 13.961



51, 40.863, 165.760

Rectangle

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



30, 51.019, 13.961



30, 51.019, 63.961



30, 51.019, 193.961



30, 51.019, 243.961

Sweetspot

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



30, 51.016, 13.963



61, 20.141, 359.323



27, 71.223, 318.114



30, 13.824, 359.719



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, 51.016, 13.963



38, 68.065, 21.816



32, 53.843, 42.687



27, 3.385, 357.351



27, 53.702, 20.177



0, 1.543, 356.573

Inverse Universe

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



30, 51.016, 13.963



38, 68.065, 21.816



45, 26.747, 230.094



27, 3.385, 357.351



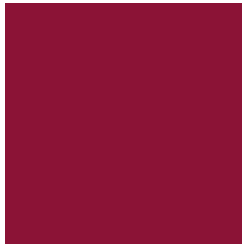
27, 53.702, 20.177



0, 1.543, 356.573

Previews

White Background



This preview shows how the CIELCh color 30, 51.019, 13.961 looks on a white background.

Color Contrast Check

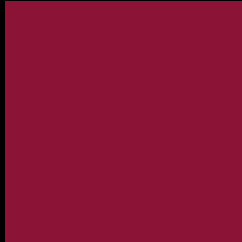
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.019, 13.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

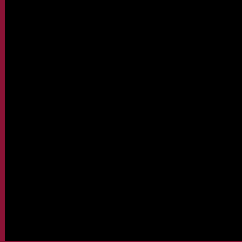
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 51.019, 13.961

Background



This preview shows how black text looks on a background with the CIELCh color 30, 51.019, 13.961.



This preview shows how white text looks on a background with the CIELCh color 30, 51.019, 13.961.

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, 51.019, 13.961

Protanopia

31, 3.226, 298.398

Deuteranopia

31, 16.437, 76.606



Tritanopia
30, 54.474, 33.187

Trichromacy



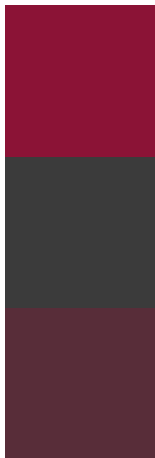
Original Color
30, 51.019, 13.961

Protanomaly
28, 22.002, 356.706

Deuteranomaly
29, 26.794, 27.336

Tritanomaly
30, 52.414, 26.479

Monochromacy



Original Color
30, 51.019, 13.961

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 21.315, 3.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 51.019, 13.961 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(139, 19, 54)` looks like.

```
.text, #text, p{  
    color:rgb(139, 19, 54)  
}
```

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(139, 19, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 19, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 51.019, 13.961 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(139, 19, 54) }
```

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

```
.border{ border-color:rgb(139, 19, 54) }
```

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

Here you see how a box with a 4 pixel rgb(139, 19, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 19, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 19, 54);  
box-shadow:4px 4px 4px 4px rgb(139, 19,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 51.019, 13.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 19, 54) }
```

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

```
.background{ background-color: rgb(139, 19,  
54) }
```

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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