

Converting Colors

CIE LCh(16, 82.893, 6.533)

Have a look what the booklet for
CIELCh(16, 82.893, 6.533) contains.

CIELCh(26, 54.310, 24.590)	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(26, 54.310, 24.590)

Conversions

Conversions Part 1

Format	Color
Hex	81001E
RGB	129, 0, 30
RGB Percent	51%, 0%, 12%
CMY	0.4935, 1.0000, 0.8807
CMYK	0.00, 1.00, 0.76, 0.49
HSL	346°, 100%, 25%
HSV	346°, 100%, 51%
XYZ	9.3022, 4.7465, 1.6824
YIQ	41.9910, 67.2540, 36.6780

Conversions

Conversions Part 2

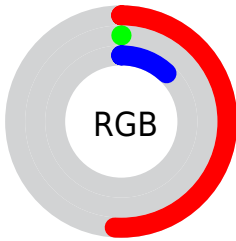
Format	Color
R_YB	129, 0, 30
Decimal	8454174
CIE Lab	26.00, 49.38, 22.60
CIE LCh	26, 54.310, 24.590
Yxy	4.7465, 0.5913, 0.3017
Android (android.graphics.Color)	4286644254 (0xFF81001E)
YUV	41.9910, -5.9116, 76.3069
Hunter-Lab	21.7865, 38.0877, 10.6720

Details

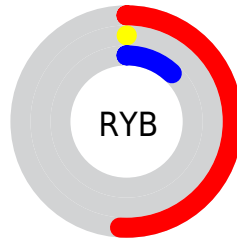
The CIELCh color **26, 54.310, 24.590** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 38.935, 168.050**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 54.001, 24.571**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 54.128, 24.792**, and if you desaturate by 10%, it is **27, 50.317, 20.114**.

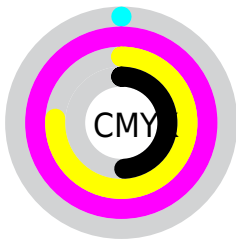
Distribution



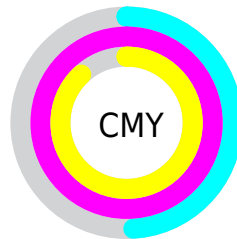
- Red (51%)
- Green (0%)
- Blue (12%)



- Red (51%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 54.310, 24.590 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 26, 54.310, 24.590 by changing the saturation by 10% instead.

■ 26, 54.310, 24.590

■ 26, 54.310, 24.590

■ 100, 54.310,
24.590

■ 16, 54.310, 24.590

■ 46, 54.310, 24.590

■ 6, 54.310, 24.590

■ 56, 54.310, 24.590

■ 0, 54.310, 24.590

■ 66, 54.310, 24.590

■ 76, 54.310, 24.590

■ 86, 54.310, 24.590

■ 96, 54.310, 24.590

■ 26, 54.310, 24.590

■ 26, 54.310, 24.590

■ 26, 54.128, 24.792

■ 27, 50.317, 20.114

■ 28, 46.174, 15.751

■ 30, 41.265, 12.198

■ 33, 35.711, 9.362

■ 36, 29.735, 7.100

■ 39, 23.568, 5.275

■ 43, 17.404, 3.778

■ 46, 11.375, 2.522

■ 50, 5.561, 1.432

Harmonies

Complementary

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



26, 54.310, 24.590



48, 38.935, 168.050

Rectangle

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



26, 54.310, 24.590



26, 54.310, 74.590



26, 54.310, 204.590



26, 54.310, 254.590

Sweetspot

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



26, 54.128, 24.792



55, 21.636, 3.874



24, 71.578, 319.238



26, 14.780, 4.374



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



26, 54.128, 24.792



35, 66.347, 26.239



29, 57.318, 45.573



25, 3.095, 1.336



26, 53.599, 24.712



0, 0.000, 0.000

Inverse Universe

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



26, 54.128, 24.792



35, 66.347, 26.239



38, 27.407, 244.710



25, 3.095, 1.336



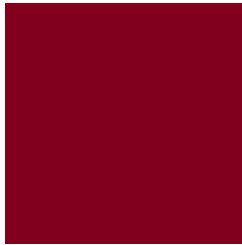
26, 53.599, 24.712



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 26, 54.310, 24.590 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 26, 54.310, 24.590 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 26, 54.310, 24.590

Background



This preview shows how black text looks on a background with the CIELCh color 26, 54.310, 24.590.



This preview shows how white text looks on a background with the CIELCh color 26, 54.310, 24.590.

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

26, 54.169, 25.029

Protanopia

28, 12.579, 94.095

Deuteranopia

28, 26.924, 81.719



Tritanopia
27, 58.631, 38.269

Trichromacy



Original Color
26, 54.169, 25.029

Protanomaly
24, 26.029, 26.784

Deuteranomaly
24, 34.122, 39.789

Tritanomaly
26, 56.975, 34.137

Monochromacy



Original Color
26, 54.169, 25.029

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.879, 9.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 54.310, 24.590 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, 0, 30)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 30)  
}
```

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, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 54.310, 24.590 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, 0, 30) }
```

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

```
.border{ border-color:rgb(129, 0, 30) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(129, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 54.310, 24.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 30) }
```

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

```
.background{ background-color: rgb(129, 0,  
30) }
```

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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