

Converting Colors

CIELCh(26, 53.616, 24.761)

Have a look what the booklet for
CIELCh(26, 53.616, 24.761) contains.

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Color

CIELCh(26, 53.423, 24.341)

Conversions

Conversions Part 1

Format	Color
Hex	80021F
RGB	128, 2, 31
RGB Percent	50%, 1%, 12%
CMY	0.4968, 0.9941, 0.8776
CMYK	0.00, 0.99, 0.76, 0.50
HSL	346°, 98%, 25%
HSV	346°, 99%, 50%
XYZ	9.2164, 4.7465, 1.7419
YIQ	42.9800, 65.7870, 35.7310

Conversions

Conversions Part 2

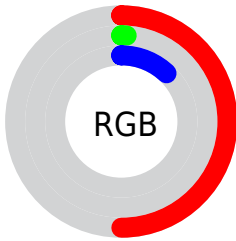
Format	Color
R_{YB}	128, 2, 31
Decimal	8389151
CIE Lab	26.00, 48.67, 22.02
CIE LCh	26, 53.423, 24.341
Yxy	4.7465, 0.5869, 0.3022
Android (android.graphics.Color)	4286579231 (0xFF80021F)
YUV	42.9800, -5.9061, 74.5625
Hunter-Lab	21.7865, 37.3849, 10.5101

Details

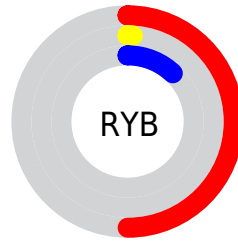
The CIELCh color **26, 53.423, 24.341** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 38.462, 168.379**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 53.098, 24.275**, and **11, 36.236, 29.375** is the 20% darker color. If you saturate the color by 10%, you get **26, 53.899, 24.857**, and if you desaturate by 10%, it is **27, 49.636, 19.635**.

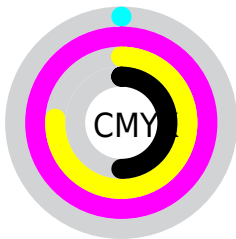
Distribution



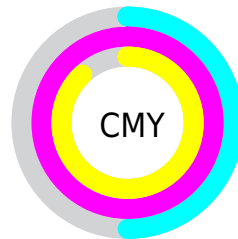
- Red (50%)
- Green (1%)
- Blue (12%)



- Red (50%)
- Yellow (1%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (76%)
- Black (50%)



- Cyan (50%)
- Magenta (99%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 53.423, 24.341 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, 53.423, 24.341 by changing the saturation by 10% instead.

 26, 53.423, 24.341

 26, 53.423, 24.341

 100, 53.423,
24.341

 16, 53.423, 24.341

 46, 53.423, 24.341

 6, 53.423, 24.341

 56, 53.423, 24.341

 0, 53.423, 24.341

 66, 53.423, 24.341

 76, 53.423, 24.341

 86, 53.423, 24.341

 96, 53.423, 24.341

 26, 53.423, 24.341

 26, 53.423, 24.341

26, 53.899, 24.857

27, 49.636, 19.635

28, 45.408, 15.374

31, 40.429, 11.915

33, 34.835, 9.156

36, 28.852, 6.954

39, 22.708, 5.174

43, 16.587, 3.710

47, 10.614, 2.479

50, 4.862, 1.402

Harmonies

Complementary

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



26, 53.423, 24.341



48, 38.462, 168.379

Rectangle

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



26, 53.423, 24.341



26, 53.423, 74.341



26, 53.423, 204.341



26, 53.423, 254.341

Sweetspot

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



26, 53.421, 24.343



54, 21.360, 3.963



24, 70.851, 319.278



26, 14.775, 4.469



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, 53.421, 24.343



34, 65.619, 26.270



29, 56.368, 45.525



25, 3.093, 1.431



26, 53.637, 24.817



0, 0.000, 0.000

Inverse Universe

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



26, 53.421, 24.343



34, 65.619, 26.270



38, 27.128, 244.231



25, 3.093, 1.431



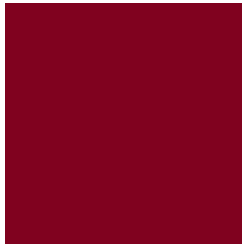
26, 53.637, 24.817



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 53.423, 24.341 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, 53.423, 24.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

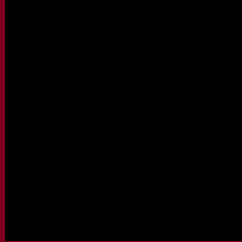
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 53.423, 24.341

Background



This preview shows how black text looks on a background with the CIELCh color 26, 53.423, 24.341.



This preview shows how white text looks on a background with the CIELCh color 26, 53.423, 24.341.

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, 53.285, 24.497

Protanopia

28, 11.842, 95.880

Deuteranopia

27, 26.167, 82.437



Tritanopia
26, 57.989, 37.906

Trichromacy



Original Color
26, 53.285, 24.497

Protanomaly
24, 24.950, 26.523

Deuteranomaly
24, 33.023, 39.978

Tritanomaly
26, 56.459, 34.207

Monochromacy



Original Color
26, 53.285, 24.497

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 23.383, 8.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 53.423, 24.341 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(128, 2, 31)` looks like.

```
.text, #text, p{  
    color:rgb(128, 2, 31)  
}
```

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(128, 2, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 2, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 53.423, 24.341 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(128, 2, 31) }
```

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

```
.border{ border-color:rgb(128, 2, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 2, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 2, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 2, 31);  
box-shadow:4px 4px 4px 4px rgb(128, 2, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 53.423, 24.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 2, 31) }
```

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

```
.background{ background-color: rgb(128, 2,  
31) }
```

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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