

Converting Colors

CIELCh(30, 57.844, 24.255)

Have a look what the booklet for
CIELCh(30, 57.844, 24.255) contains.

CIELCh(30, 57.920, 24.425)	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(30, 57.920, 24.425)

Conversions

Conversions Part 1

Format	Color
Hex	910525
RGB	145, 5, 37
RGB Percent	57%, 2%, 15%
CMY	0.4321, 0.9817, 0.8554
CMYK	0.00, 0.97, 0.75, 0.43
HSL	346°, 94%, 29%
HSV	346°, 97%, 57%
XYZ	12.0258, 6.2359, 2.3092
YIQ	50.5080, 73.1680, 39.6320

Conversions

Conversions Part 2

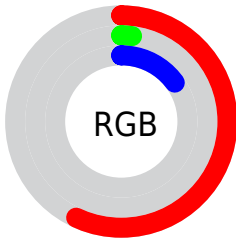
Format	Color
R_{YB}	145, 5, 37
Decimal	9504037
CIE _{Lab}	30.00, 52.74, 23.95
CIE _{LCh}	30, 57.920, 24.425
Yxy	6.2359, 0.5846, 0.3031
Android (android.graphics.Color)	4287694117 (0xFF910525)
YUV	50.5080, -6.6594, 82.8695
Hunter-Lab	24.9718, 42.2604, 11.9975

Details

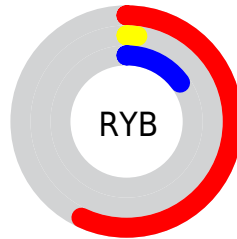
The CIELCh color **30, 57.920, 24.425** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **53, 41.516, 168.911**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 58.332, 24.589**, and **15, 43.484, 33.400** is the 20% darker color. If you saturate the color by 10%, you get **30, 59.281, 25.928**, and if you desaturate by 10%, it is **31, 53.827, 19.515**.

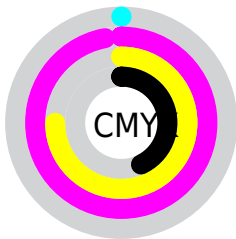
Distribution



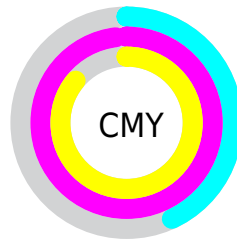
- Red (57%)
- Green (2%)
- Blue (15%)



- Red (57%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (97%)
- Yellow (75%)
- Black (43%)



- Cyan (43%)
- Magenta (98%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 57.920, 24.425 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, 57.920, 24.425 by changing the saturation by 10% instead.

■ 30, 57.920, 24.425

■ 30, 57.920, 24.425

■ 100, 57.920,
24.425

■ 20, 57.920, 24.425

■ 50, 57.920, 24.425

■ 10, 57.920, 24.425

■ 60, 57.920, 24.425

■ 0, 57.920, 24.425

■ 70, 57.920, 24.425

■ 80, 57.920, 24.425

■ 90, 57.920, 24.425

■ 30, 57.920, 24.425

■ 30, 57.920, 24.425

■ 30, 59.281, 25.928

■ 31, 53.827, 19.515

■ 33, 49.024, 15.288

■ 35, 43.402, 11.873

■ 38, 37.133, 9.158

■ 41, 30.476, 6.994

■ 45, 23.680, 5.247

■ 49, 16.943, 3.810

■ 53, 10.392, 2.598

■ 57, 4.103, 1.521

Harmonies

Complementary

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



30, 57.920, 24.425



53, 41.516, 168.911

Rectangle

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



30, 57.920, 24.425



30, 57.920, 74.425



30, 57.920, 204.425



30, 57.920, 254.425

Sweetspot

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



30, 57.918, 24.427



62, 22.890, 4.189



28, 76.614, 319.821



30, 15.762, 4.734



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



30, 57.918, 24.427



40, 72.759, 27.221



33, 60.496, 46.282



28, 3.395, 1.776



27, 56.221, 25.534



0, 2.246, 1.000

Inverse Universe

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



30, 57.918, 24.427



40, 72.759, 27.221



42, 29.955, 247.277



28, 3.395, 1.776



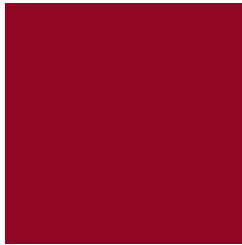
27, 56.221, 25.534



0, 2.246, 1.000

Previews

White Background



This preview shows how the CIELCh color 30, 57.920, 24.425 looks on a white background.

Color Contrast Check

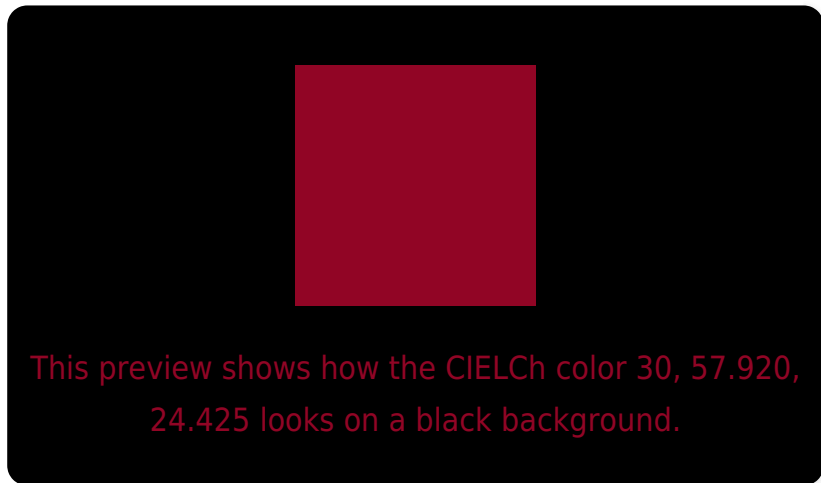
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 57.920, 24.425

Background



This preview shows how black text looks on a background with the CIELCh color 30, 57.920, 24.425.



This preview shows how white text looks on a background with the CIELCh color 30, 57.920, 24.425.

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, 57.920, 24.425

Protanopia

31, 12.209, 96.670

Deuteranopia

31, 28.069, 81.181



Tritanopia
30, 63.274, 38.010

Trichromacy



Original Color
30, 57.920, 24.425

Protanomaly
28, 26.845, 26.281

Deuteranomaly
28, 36.045, 39.556

Tritanomaly
30, 61.269, 33.996

Monochromacy



Original Color
30, 57.920, 24.425

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 24.860, 9.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 57.920, 24.425 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(145, 5, 37)` looks like.

```
.text, #text, p{  
    color:rgb(145, 5, 37)  
}
```

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(145, 5, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 5, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 57.920, 24.425 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(145, 5, 37) }
```

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

```
.border{ border-color:rgb(145, 5, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 5, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 5, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 5, 37);  
box-shadow:4px 4px 4px 4px rgb(145, 5, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 57.920, 24.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 5, 37) }
```

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

```
.background{ background-color: rgb(145, 5,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor