

Converting Colors

CIELCh(30, 66.043, 40.543)

Have a look what the booklet for
CIELCh(30, 66.043, 40.543) contains.

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Color

CIELCh(30, 65.955, 40.580)

Conversions

Conversions Part 1

Format	Color
Hex	900E01
RGB	144, 14, 1
RGB Percent	56%, 5%, 0%
CMY	0.4356, 0.9455, 0.9963
CMYK	0.00, 0.90, 0.99, 0.44
HSL	5°, 99%, 28%
HSV	5°, 99%, 56%
XYZ	11.6498, 6.2359, 0.6166
YIQ	51.3880, 81.6530, 23.5170

Conversions

Conversions Part 2

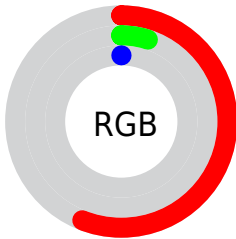
Format	Color
R_{YB}	144, 15, 1
Decimal	9440769
CIE Lab	30.00, 50.09, 42.90
CIE LCh	30, 65.955, 40.580
Yxy	6.2359, 0.6296, 0.3370
Android (android.graphics.Color)	4287630849 (0xFF900E01)
YUV	51.3880, -24.8413, 81.2207
Hunter-Lab	24.9718, 39.5729, 16.0162

Details

The CIELCh color **30, 65.955, 40.580** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **50, 29.386, 211.891**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 65.970, 40.694**, and **15, 42.589, 32.994** is the 20% darker color. If you saturate the color by 10%, you get **30, 66.281, 40.723**, and if you desaturate by 10%, it is **31, 60.354, 38.670**.

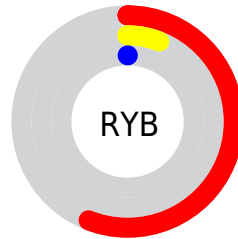
Distribution



Red (56%)

Green (5%)

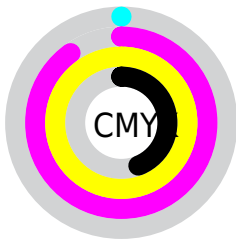
Blue (0%)



Red (56%)

Yellow (6%)

Blue (0%)

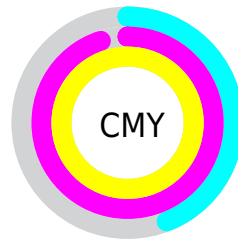


Cyan (0%)

Magenta (90%)

Yellow (99%)

Black (44%)



Cyan (44%)

Magenta (95%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 65.955, 40.580 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, 65.955, 40.580 by changing the saturation by 10% instead.

■ 30, 65.955, 40.580

■ 30, 65.955, 40.580

■ 100, 65.955,
40.580

■ 20, 65.955, 40.580

■ 50, 65.955, 40.580

■ 10, 65.955, 40.580

■ 60, 65.955, 40.580

■ 0, 65.955, 40.580

■ 70, 65.955, 40.580

■ 80, 65.955, 40.580

■ 90, 65.955, 40.580

■ 30, 65.955, 40.580

■ 30, 65.955, 40.580

■ 30, 66.281, 40.723

■ 31, 60.354, 38.670

■ 33, 53.337, 36.402

■ 35, 45.743, 34.201

■ 38, 38.091, 32.344

■ 41, 30.646, 30.876

■ 45, 23.555, 29.760

■ 48, 16.898, 28.930

■ 52, 10.703, 28.321

■ 56, 4.968, 27.856

Harmonies

Complementary

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



30, 65.955, 40.580



50, 29.386, 211.891

Rectangle

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



30, 65.955, 40.580



30, 65.955, 90.580



30, 65.955, 220.580



30, 65.955, 270.580

Sweetspot

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



30, 65.953, 40.582



61, 21.415, 29.022



33, 70.674, 331.751



30, 14.945, 29.318



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, 65.953, 40.582



39, 81.209, 41.026



42, 53.888, 68.736



28, 2.979, 27.848



28, 62.895, 40.460



1, 1.945, 27.667

Inverse Universe

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



50, 29.386, 211.891



63, 35.498, 212.337



28, 53.835, 290.117



29, 2.813, 207.575



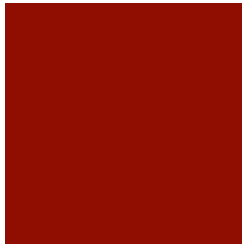
47, 28.113, 211.878



2, 1.945, 207.686

Previews

White Background



This preview shows how the CIELCh color 30, 65.955, 40.580 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, 65.955, 40.580 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, 65.955, 40.580

Background



This preview shows how black text looks on a background with the CIELCh color 30, 65.955, 40.580.



This preview shows how white text looks on a background with the CIELCh color 30, 65.955, 40.580.

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, 65.955, 40.580

Protanopia

31, 32.721, 95.822

Deuteranopia

31, 40.175, 85.826



Tritanopia
30, 64.480, 38.892

Trichromacy



Original Color
30, 65.955, 40.580

Protanomaly
28, 39.577, 58.309

Deuteranomaly
29, 46.290, 58.291

Tritanomaly
30, 64.965, 39.464

Monochromacy



Original Color
30, 65.955, 40.580

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 25.227, 32.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 65.955, 40.580 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(144, 14, 1)` looks like.

```
.text, #text, p{  
    color:rgb(144, 14, 1)  
}
```

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(144, 14, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 14, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 65.955, 40.580 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(144, 14, 1) }
```

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

```
.border{ border-color:rgb(144, 14, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 14, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 14, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 14, 1);  
box-shadow:4px 4px 4px 4px rgb(144, 14, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 65.955, 40.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 14, 1) }
```

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

```
.background{ background-color: rgb(144, 14,  
1) }
```

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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