

Converting Colors

CIELCh(34, 64.694, 46.053)

Have a look what the booklet for
CIELCh(34, 64.694, 46.053) contains.

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Color

CIELCh(34, 64.909, 46.007)

Conversions

Conversions Part 1

Format	Color
Hex	972700
RGB	151, 39, 0
RGB Percent	59%, 15%, 0%
CMY	0.4084, 0.8475, 1.0000
CMYK	0.00, 0.74, 1.00, 0.41
HSL	15°, 100%, 30%
HSV	15°, 100%, 59%
XYZ	13.4573, 8.0082, 0.8336
YIQ	68.0420, 79.2710, 11.6150

Conversions

Conversions Part 2

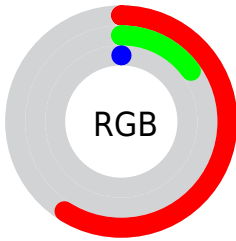
Format	Color
RYB	151, 53, 0
Decimal	9905920
CIELab	34.00, 45.08, 46.70
CIELCh	34, 64.909, 46.007
Yxy	8.0082, 0.6035, 0.3591
Android (android.graphics.Color)	4288096000 (0xFF972700)
YUV	68.0420, -33.5447, 72.7542
Hunter-Lab	28.2988, 35.3614, 18.0626

Details

The CIELCh color **34, 64.909, 46.007** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **44, 31.054, 247.007**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 65.196, 46.051**, and **17, 45.705, 34.322** is the 20% darker color. If you saturate the color by 10%, you get **34, 64.879, 45.984**, and if you desaturate by 10%, it is **36, 58.506, 45.904**.

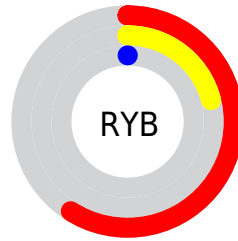
Distribution



Red (59%)

Green (15%)

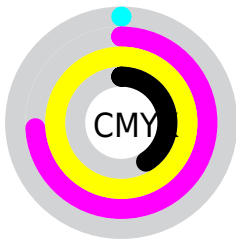
Blue (0%)



Red (59%)

Yellow (21%)

Blue (0%)

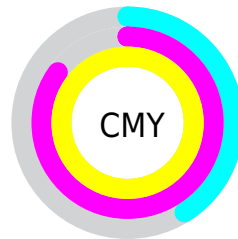


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 64.909, 46.007 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 34, 64.909, 46.007 by changing the saturation by 10% instead.

 34, 64.909, 46.007  34, 64.909, 46.007

 100, 64.909,
46.007  24, 64.909, 46.007

 54, 64.909, 46.007  14, 64.909, 46.007

 64, 64.909, 46.007  4, 64.909, 46.007

 74, 64.909, 46.007  0, 64.909, 46.007

 84, 64.909, 46.007

 94, 64.909, 46.007

 34, 64.909, 46.007  34, 64.909, 46.007

 34, 64.879, 45.984  36, 58.506, 45.904

■ 38, 51.376, 45.778

■ 40, 43.791, 45.446

■ 43, 36.298, 45.168

■ 46, 29.141, 45.033

■ 49, 22.418, 45.054

■ 52, 16.159, 45.215

■ 56, 10.355, 45.487

■ 59, 4.980, 45.822

Harmonies

Complementary

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



34, 64.909, 46.007



44, 31.054, 247.007

Rectangle

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



34, 64.909, 46.007



34, 64.909, 96.007



34, 64.909, 226.007



34, 64.909, 276.007

Sweetspot

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



34, 64.879, 45.984



67, 20.079, 45.202



33, 64.697, 341.098



34, 14.022, 45.127



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



34, 64.879, 45.984



44, 79.501, 45.431



50, 56.738, 83.770



31, 2.839, 45.847



32, 61.181, 46.014



1, 2.977, 45.822

Inverse Universe

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



44, 31.054, 247.007



57, 37.964, 248.052



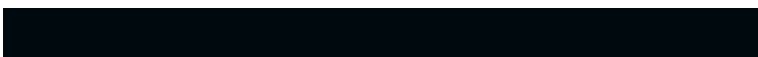
22, 73.423, 300.118



31, 2.695, 226.951



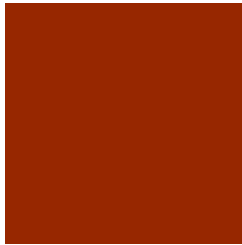
41, 29.391, 246.672



2, 2.964, 227.888

Previews

White Background



This preview shows how the CIELCh color 34, 64.909, 46.007 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 CIELCh color 34, 64.909, 46.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

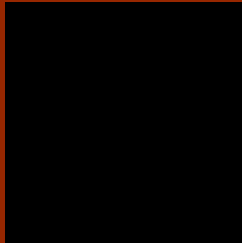
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 64.909, 46.007

Background



This preview shows how black text looks on a background with the CIELCh color 34, 64.909, 46.007.



This preview shows how white text looks on a background with the CIELCh color 34, 64.909, 46.007.

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

34, 64.909, 46.007

Protanopia

35, 37.184, 95.833

Deuteranopia

34, 43.229, 84.410



Tritanopia
34, 55.194, 31.387

Trichromacy



Original Color
34, 64.909, 46.007

Protanomaly
33, 41.781, 67.270

Deuteranomaly
33, 48.069, 64.199

Tritanomaly
34, 58.772, 38.038

Monochromacy



Original Color
34, 64.909, 46.007

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 23.313, 44.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 64.909, 46.007 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(151, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 39, 0)  
}
```

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(151, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 39, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 64.909, 46.007 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(151, 39, 0) }
```

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

```
.border{ border-color:rgb(151, 39, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 64.909, 46.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 39, 0) }
```

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

```
.background{ background-color: rgb(151, 39,  
0) }
```

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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