

Converting Colors

CIELCh(34, 65.383, 45.992)

Have a look what the booklet for
CIELCh(34, 65.383, 45.992) contains.

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Color

CIELCh(34, 65.113, 45.724)

Conversions

Conversions Part 1

Format	Color
Hex	972600
RGB	151, 38, 0
RGB Percent	59%, 15%, 0%
CMY	0.4068, 0.8499, 0.9992
CMYK	0.00, 0.75, 1.00, 0.41
HSL	15°, 100%, 30%
HSV	15°, 100%, 59%
XYZ	13.5151, 8.0082, 0.8390
YIQ	67.4550, 79.5460, 12.1380

Conversions

Conversions Part 2

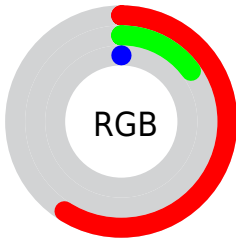
Format	Color
RYB	151, 51, 0
Decimal	9905664
CIELab	34.00, 45.46, 46.62
CIElCh	34, 65.113, 45.724
Yxy	8.0082, 0.6044, 0.3581
Android (android.graphics.Color)	4288095744 (0xFF972600)
YUV	67.4550, -33.2553, 73.2690
Hunter-Lab	28.2988, 35.7259, 18.0513

Details

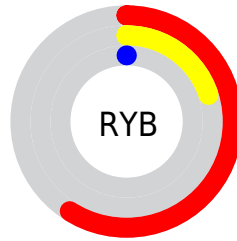
The CIELCh color **34, 65.113, 45.724** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **44, 30.905, 245.800**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 65.394, 45.637**, and **17, 45.705, 34.322** is the 20% darker color. If you saturate the color by 10%, you get **34, 65.195, 45.736**, and if you desaturate by 10%, it is **36, 58.720, 45.594**.

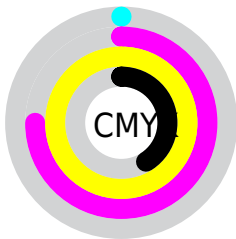
Distribution



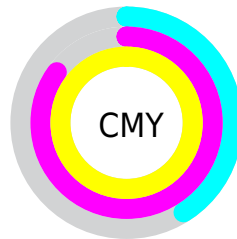
- Red (59%)
- Green (15%)
- Blue (0%)



- Red (59%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (41%)



- Cyan (41%)
- Magenta (85%)
- Yellow (100%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 65.113, 45.724 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, 65.113, 45.724 by changing the saturation by 10% instead.

 34, 65.113, 45.724

 34, 65.113, 45.724

 100, 65.113,
45.724

 24, 65.113, 45.724

 54, 65.113, 45.724

 14, 65.113, 45.724

 64, 65.113, 45.724

 4, 65.113, 45.724

 74, 65.113, 45.724

 0, 65.113, 45.724

 84, 65.113, 45.724

 94, 65.113, 45.724

 34, 65.113, 45.724

 34, 65.113, 45.724

 34, 65.195, 45.736

 36, 58.720, 45.594

■ 38, 51.542, 45.395

■ 40, 43.915, 45.003

■ 43, 36.386, 44.674

■ 46, 29.195, 44.495

■ 49, 22.442, 44.478

■ 52, 16.156, 44.606

■ 56, 10.329, 44.848

■ 59, 4.934, 45.155

Harmonies

Complementary

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



34, 65.113, 45.724



44, 30.905, 245.800

Rectangle

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



34, 65.113, 45.724



34, 65.113, 95.724



34, 65.113, 225.724



34, 65.113, 275.724

Sweetspot

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



34, 65.111, 45.726



67, 20.128, 44.593



34, 64.808, 341.084



33, 14.057, 44.531



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, 65.111, 45.726



44, 79.725, 45.204



50, 56.815, 83.786



31, 2.845, 45.174



31, 61.340, 45.757



1, 2.983, 45.139

Inverse Universe

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



44, 30.905, 245.800



57, 37.709, 246.872



22, 73.489, 300.092



31, 2.699, 226.231



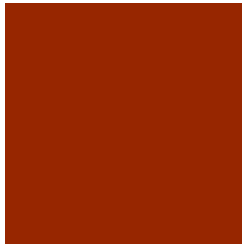
41, 29.210, 245.511



2, 2.968, 227.198

Previews

White Background



This preview shows how the CIELCh color 34, 65.113, 45.724 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, 65.113, 45.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

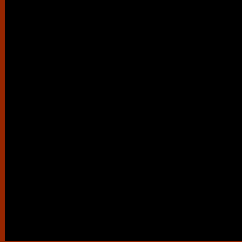
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 65.113, 45.724

Background



This preview shows how black text looks on a background with the CIELCh color 34, 65.113, 45.724.



This preview shows how white text looks on a background with the CIELCh color 34, 65.113, 45.724.

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, 65.113, 45.724

Protanopia

35, 37.184, 95.833

Deuteranopia

34, 43.229, 84.410



Tritanopia
34, 55.613, 31.460

Trichromacy



Original Color
34, 65.113, 45.724

Protanomaly
33, 42.131, 66.769

Deuteranomaly
33, 48.427, 63.799

Tritanomaly
34, 59.190, 38.039

Monochromacy



Original Color
34, 65.113, 45.724

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, 65.113, 45.724 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, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 38, 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, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 38, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 65.113, 45.724 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, 38, 0) }
```

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

```
.border{ border-color:rgb(151, 38, 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, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 65.113, 45.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 38, 0) }
```

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

```
.background{ background-color: rgb(151, 38,  
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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