

Converting Colors

CIELCh(34, 66.039, 45.380)

Have a look what the booklet for
CIELCh(34, 66.039, 45.380) contains.

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Color

CIELCh(34, 65.706, 45.375)

Conversions

Conversions Part 1

Format	Color
Hex	982500
RGB	152, 37, 0
RGB Percent	60%, 15%, 0%
CMY	0.4037, 0.8546, 0.9998
CMYK	0.00, 0.76, 1.00, 0.40
HSL	15°, 100%, 30%
HSV	15°, 100%, 60%
XYZ	13.6241, 8.0082, 0.8289
YIQ	67.1670, 80.4170, 12.8730

Conversions

Conversions Part 2

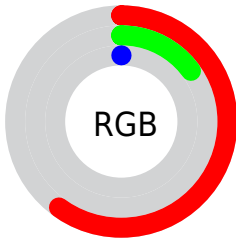
Format	Color
R_{YB}	152, 49, 0
Decimal	9970944
CIE _{Lab}	34.00, 46.16, 46.76
CIE _{LCh}	34, 65.706, 45.375
Yxy	8.0082, 0.6066, 0.3565
Android (android.graphics.Color)	4288161024 (0xFF982500)
YUV	67.1670, -33.1133, 74.3985
Hunter-Lab	28.2988, 36.4135, 18.0724

Details

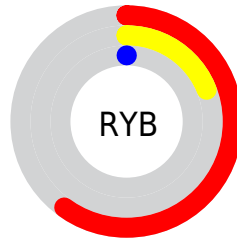
The CIELCh color **34, 65.706, 45.375** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 30.773, 244.126**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 65.805, 45.538**, and **17, 46.147, 34.492** is the 20% darker color. If you saturate the color by 10%, you get **34, 65.723, 45.379**, and if you desaturate by 10%, it is **36, 59.290, 45.145**.

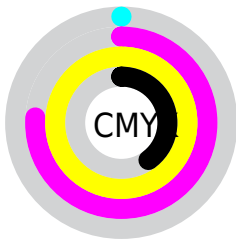
Distribution



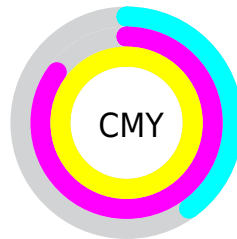
- Red (60%)
- Green (15%)
- Blue (0%)



- Red (60%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (85%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 65.706, 45.375 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, 65.706, 45.375 by changing the saturation by 10% instead.

■ 34, 65.706, 45.375

■ 34, 65.706, 45.375

■ 100, 65.706,
45.375

■ 24, 65.706, 45.375

■ 54, 65.706, 45.375

■ 14, 65.706, 45.375

■ 64, 65.706, 45.375

■ 4, 65.706, 45.375

■ 74, 65.706, 45.375

■ 0, 65.706, 45.375

■ 84, 65.706, 45.375

■ 94, 65.706, 45.375

■ 34, 65.706, 45.375

■ 34, 65.706, 45.375

■ 34, 65.723, 45.379

■ 36, 59.290, 45.145

38, 52.062, 44.852

40, 44.372, 44.369

43, 36.773, 43.960

46, 29.513, 43.712

49, 22.694, 43.635

52, 16.348, 43.709

56, 10.467, 43.904

59, 5.024, 44.169

Harmonies

Complementary

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



34, 65.706, 45.375



45, 30.773, 244.126

Rectangle

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



34, 65.706, 45.375



34, 65.706, 95.375



34, 65.706, 225.375



34, 65.706, 275.375

Sweetspot

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



34, 65.704, 45.377



67, 20.419, 43.701



34, 65.827, 340.026



33, 14.111, 43.659



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, 65.704, 45.377



45, 80.851, 44.856



50, 56.777, 82.258



31, 2.854, 44.188



31, 61.571, 45.388



1, 2.992, 44.138

Inverse Universe

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



45, 30.773, 244.126



58, 37.731, 245.158



23, 72.244, 299.408



31, 2.706, 225.174



42, 28.965, 243.782



2, 2.975, 226.186

Previews

White Background



This preview shows how the CIELCh color 34, 65.706, 45.375 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, 65.706, 45.375 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, 65.706, 45.375

Background



This preview shows how black text looks on a background with the CIELCh color 34, 65.706, 45.375.



This preview shows how white text looks on a background with the CIELCh color 34, 65.706, 45.375.

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, 65.706, 45.375

Protanopia

35, 36.790, 95.821

Deuteranopia

34, 43.229, 84.410



Tritanopia
34, 56.803, 32.290

Trichromacy



Original Color
34, 65.706, 45.375

Protanomaly
33, 42.131, 66.769

Deuteranomaly
33, 48.555, 63.108

Tritanomaly
34, 60.406, 38.550

Monochromacy



Original Color
34, 65.706, 45.375

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 23.524, 43.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 65.706, 45.375 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(152, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 37, 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(152, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 37, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 65.706, 45.375 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(152, 37, 0) }
```

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

```
.border{ border-color:rgb(152, 37, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 37, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 65.706, 45.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 37, 0) }
```

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

```
.background{ background-color: rgb(152, 37,  
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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