

# Converting Colors

CIELCh(25, 54.996, 34.715)

Have a look what the booklet for  
CIELCh(25, 54.996, 34.715) contains.

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# Color

**CIELCh(25, 54.996, 34.715)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B090E
RGB	123, 9, 14
RGB Percent	48%, 4%, 5%
CMY	0.5184, 0.9659, 0.9457
CMYK	0.00, 0.93, 0.89, 0.52
HSL	357°, 87%, 26%
HSV	357°, 93%, 48%
XYZ	8.3115, 4.4155, 0.8238
YIQ	43.6560, 66.3390, 25.7230

# Conversions

## Conversions Part 2

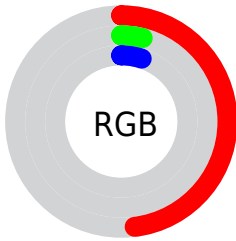
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 9, 14
Decimal	8063246
CIELab	25.00, 45.21, 31.32
CIELCh	25, 54.996, 34.715
Yxy	4.4155, 0.6134, 0.3258
Android (android.graphics.Color)	4286253326 (0xFF7B090E)
YUV	43.6560, -14.6204, 69.5847
Hunter-Lab	21.0130, 33.8312, 12.3846

# Details

The CIELCh color **25, 54.996, 34.715** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **46, 29.627, 190.314**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 55.206, 34.629**, and **10, 33.942, 27.653** is the 20% darker color. If you saturate the color by 10%, you get **24, 57.948, 36.225**, and if you desaturate by 10%, it is **26, 49.686, 30.956**.

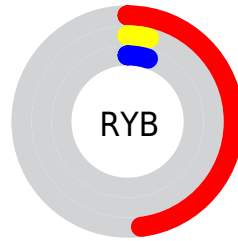
# Distribution



Red (48%)

Green (4%)

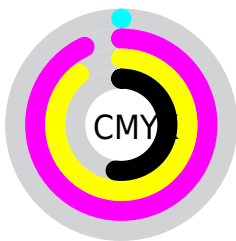
Blue (5%)



Red (48%)

Yellow (4%)

Blue (5%)

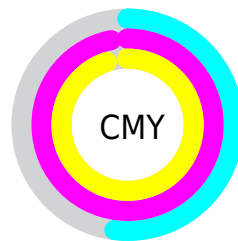


Cyan (0%)

Magenta (93%)

Yellow (89%)

Black (52%)



Cyan (52%)

Magenta (97%)

Yellow (95%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 54.996, 34.715 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 25, 54.996, 34.715 by changing the saturation by 10% instead.



 25, 54.996, 34.715

 25, 54.996, 34.715

 100, 54.996,  
34.715

 15, 54.996, 34.715

 45, 54.996, 34.715

 5, 54.996, 34.715

 55, 54.996, 34.715

 0, 54.996, 34.715

 65, 54.996, 34.715

 75, 54.996, 34.715

 85, 54.996, 34.715

 95, 54.996, 34.715

 25, 54.996, 34.715

 25, 54.996, 34.715

24, 57.948, 36.225

26, 49.686, 30.956

28, 43.662, 27.394

30, 37.289, 24.412

33, 30.789, 22.024

36, 24.355, 20.145

39, 18.133, 18.667

43, 12.217, 17.496

47, 6.654, 16.544

50, 1.455, 15.591

# Harmonies

# Complementary

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



25, 54.996, 34.715



46, 29.627, 190.314

# Rectangle

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



25, 54.996, 34.715



25, 54.996, 84.715



25, 54.996, 214.715



25, 54.996, 264.715

# Sweetspot

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



25, 54.994, 34.717



53, 18.953, 18.139



28, 65.708, 326.338



26, 13.342, 18.590



84, 0.010, 296.813



35, 0.005, 296.813



# Same Dimension

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



25, 54.994, 34.717



33, 71.964, 37.881



33, 46.711, 58.938



24, 2.853, 16.211



25, 58.791, 36.379



53, 102.057, 38.764





# Inverse Universe

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



25, 54.994, 34.717



33, 71.964, 37.881



30, 34.370, 273.898



24, 2.853, 16.211



25, 58.791, 36.379

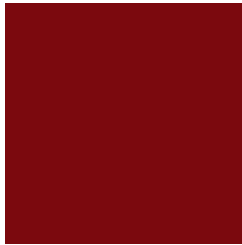


53, 102.057, 38.764



# Previews

## White Background



This preview shows how the CIELCh color 25, 54.996, 34.715 looks on a white background.

## Color Contrast Check

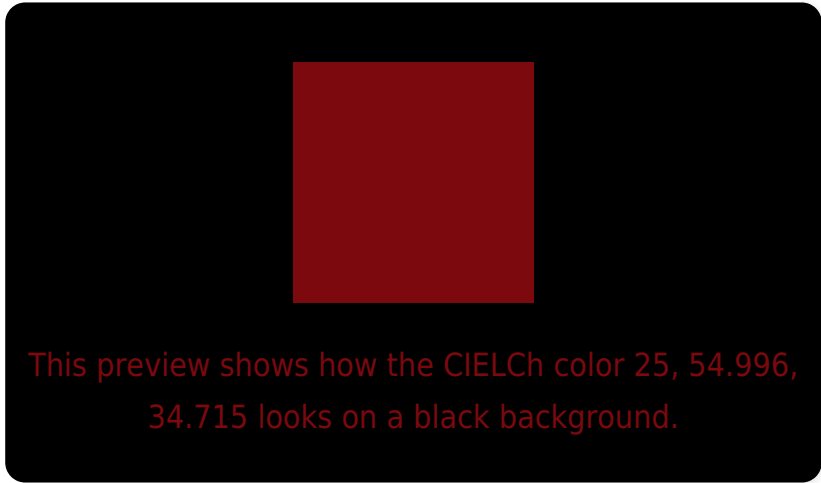
Large Text (above 18pt) WCAG AA ✓ Pass

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 25, 54.996, 34.715**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 25, 54.996, 34.715.



This preview shows how white text looks on a background with the CIELCh color 25, 54.996, 34.715.

# 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

25, 54.996, 34.715

### Protanopia

26, 23.609, 96.289

### Deuteranopia

26, 35.567, 85.035



**Tritanopia**  
25, 58.059, 39.911



# Trichromacy



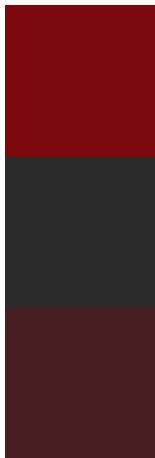
**Original Color**  
25, 54.996, 34.715

**Protanomaly**  
23, 30.278, 50.697

**Deuteranomaly**  
24, 39.066, 54.944

**Tritanomaly**  
25, 56.985, 38.123

# Monochromacy



**Original Color**  
25, 54.996, 34.715

**Achromatopsia**  
18, 0.003, 296.813

**Achromatomaly**  
18, 21.454, 23.566

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 25, 54.996, 34.715 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(123, 9, 14)` looks like.

```
.text, #text, p{  
    color:rgb(123, 9, 14)  
}
```

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(123, 9, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 9, 14) }
```

## Border

The CSS property to change the border of an element to CIELCh 25, 54.996, 34.715 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(123, 9, 14) }
```

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

```
.border{ border-color:rgb(123, 9, 14) }
```

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

Here you see how a box with a 4 pixel rgb(123, 9, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 9, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 9, 14);  
box-shadow:4px 4px 4px 4px rgb(123, 9, 14)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 25, 54.996, 34.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 9, 14) }
```

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

```
.background{ background-color: rgb(123, 9,  
14) }
```

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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