

Converting Colors

CIELCh(35, 51.089, 50.722)

Have a look what the booklet for
CIELCh(35, 51.089, 50.722) contains.

CIELCh(35, 51.279, 50.924)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 51.279, 50.924)

Conversions

Conversions Part 1

Format	Color
Hex	8B3A11
RGB	139, 58, 17
RGB Percent	55%, 23%, 7%
CMY	0.4562, 0.7736, 0.9344
CMYK	0.00, 0.58, 0.88, 0.46
HSL	20°, 78%, 30%
HSV	20°, 88%, 54%
XYZ	12.1902, 8.4984, 1.5168
YIQ	77.5450, 61.4370, 4.4210

Conversions

Conversions Part 2

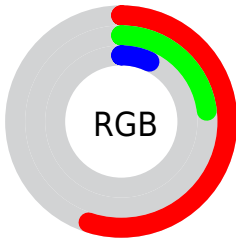
Format	Color
R_{YB}	139, 79, 17
Decimal	9124369
CIE Lab	35.00, 32.32, 39.81
CIE LCh	35, 51.279, 50.924
Yxy	8.4984, 0.5490, 0.3827
Android (android.graphics.Color)	4287314449 (0xFF8B3A11)
YUV	77.5450, -29.8487, 53.8960
Hunter-Lab	29.1520, 23.6258, 17.3216

Details

The CIELCh color **35, 51.279, 50.924** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **39, 30.015, 255.741**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 51.111, 51.196**, and **15, 40.310, 35.688** is the 20% darker color. If you saturate the color by 10%, you get **33, 57.095, 50.111**, and if you desaturate by 10%, it is **37, 44.822, 51.533**.

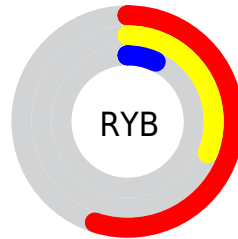
Distribution



Red (55%)

Green (23%)

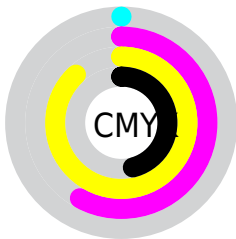
Blue (7%)



Red (55%)

Yellow (31%)

Blue (7%)

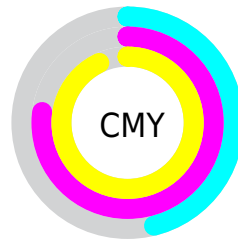


Cyan (0%)

Magenta (58%)

Yellow (88%)

Black (46%)



Cyan (46%)

Magenta (77%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 51.279, 50.924 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 35, 51.279, 50.924 by changing the saturation by 10% instead.


 35, 51.279, 50.924

 35, 51.279, 50.924

 100, 51.279,
50.924

 25, 51.279, 50.924

 55, 51.279, 50.924

 15, 51.279, 50.924

 65, 51.279, 50.924

 5, 51.279, 50.924

 75, 51.279, 50.924

 0, 51.279, 50.924

 85, 51.279, 50.924

 95, 51.279, 50.924

 35, 51.279, 50.924

 35, 51.279, 50.924

 33, 57.095, 50.111

 37, 44.822, 51.533

33, 58.357, 50.079

39, 38.083, 51.940

42, 31.465, 52.339

44, 25.148, 52.804

47, 19.202, 53.353

50, 13.642, 53.977

53, 8.455, 54.659

55, 3.614, 55.347

58, 0.911, 236.635

Harmonies

Complementary

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



35, 51.279, 50.924



39, 30.015, 255.741

Rectangle

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



35, 51.279, 50.924



35, 51.279, 100.924



35, 51.279, 230.924



35, 51.279, 280.924

Sweetspot

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



35, 51.277, 50.927



64, 15.705, 54.068



31, 56.178, 344.533



33, 10.847, 53.868



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



35, 51.277, 50.927



43, 71.644, 49.341



50, 52.429, 92.435



28, 2.564, 55.268



31, 56.296, 50.139



1, 1.158, 56.057

Inverse Universe

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



39, 30.015, 255.741



48, 40.244, 262.489



21, 66.696, 300.013



28, 2.456, 236.946



35, 31.538, 261.016



1, 1.158, 236.075

Previews

White Background



This preview shows how the CIELCh color 35, 51.279, 50.924 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 35, 51.279, 50.924 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 35, 51.279, 50.924

Background



This preview shows how black text looks on a background with the CIELCh color 35, 51.279, 50.924.



This preview shows how white text looks on a background with the CIELCh color 35, 51.279, 50.924.

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

35, 51.279, 50.924

Protanopia

35, 35.113, 95.822

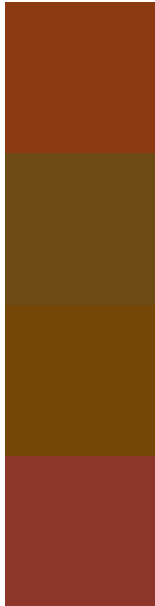
Deuteranopia

35, 43.881, 84.772



Tritanopia
35, 40.646, 24.951

Trichromacy



Original Color
35, 51.279, 50.924

Protanomaly
35, 37.318, 74.125

Deuteranomaly
35, 44.494, 70.414

Tritanomaly
35, 44.077, 36.753

Monochromacy



Original Color
35, 51.279, 50.924

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 17.344, 53.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 51.279, 50.924 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(139, 58, 17)` looks like.

```
.text, #text, p{  
    color:rgb(139, 58, 17)  
}
```

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(139, 58, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 58, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 51.279, 50.924 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(139, 58, 17) }
```

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

```
.border{ border-color:rgb(139, 58, 17) }
```

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

Here you see how a box with a 4 pixel rgb(139, 58, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 58, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 58, 17);  
box-shadow:4px 4px 4px 4px rgb(139, 58,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 51.279, 50.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 58, 17) }
```

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

```
.background{ background-color: rgb(139, 58,  
17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor