

Converting Colors

CIELCh(23, 9.153, 44.029)

Have a look what the booklet for
CIELCh(23, 9.153, 44.029) contains.

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Color

CIELCh(23, 9.134, 42.008)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 44332E |
| RGB | 68, 51, 46 |
| RGB Percent | 27%, 20%, 18% |
| CMY | 0.7331, 0.7998, 0.8194 |
| CMYK | 0.00, 0.25, 0.32, 0.73 |
| HSL | 14°, 19%, 22% |
| HSV | 14°, 32%, 27% |
| XYZ | 4.0675, 3.8003, 3.1089 |
| YIQ | 55.5130, 11.7370, 2.0490 |

Conversions

Conversions Part 2

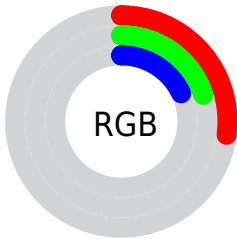
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 68, 52, 46 |
| Decimal | 4469550 |
| CIE _{Lab} | 23.00, 6.79, 6.11 |
| CIE _{LCh} | 23, 9.134, 42.008 |
| Yxy | 3.8003, 0.3706, 0.3462 |
| Android (android.graphics.Color) | 4282659630 (0xFF44332E) |
| YUV | 55.5130, -4.6899, 10.9511 |
| Hunter-Lab | 19.4944, 3.1287, 4.1908 |

Details

The CIELCh color **23, 9.134, 42.008** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 7.541, 224.408**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 9.270, 39.164**, and **3, 8.272, 33.509** is the 20% darker color. If you saturate the color by 10%, you get **21, 12.404, 42.023**, and if you desaturate by 10%, it is **25, 6.082, 42.113**.

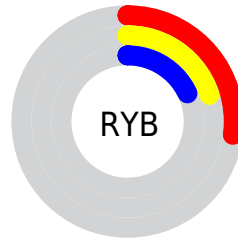
Distribution



Red (27%)

Green (20%)

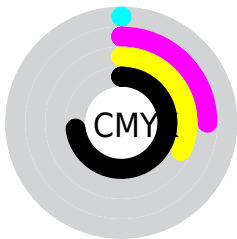
Blue (18%)



Red (27%)

Yellow (20%)

Blue (18%)

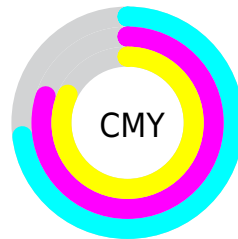


Cyan (0%)

Magenta (25%)

Yellow (32%)

Black (73%)



Cyan (73%)

Magenta (80%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 9.134, 42.008 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 23, 9.134, 42.008 by changing the saturation by 10% instead.

 23, 9.134, 42.008  23, 9.134, 42.008

 100, 9.134, 42.008  13, 9.134, 42.008

 43, 9.134, 42.008  3, 9.134, 42.008

 53, 9.134, 42.008  0, 9.134, 42.008

 63, 9.134, 42.008

 73, 9.134, 42.008

 83, 9.134, 42.008

 93, 9.134, 42.008

 23, 9.134, 42.008  23, 9.134, 42.008

 21, 12.404, 42.023  25, 6.082, 42.113

■ 20, 15.899, 42.162

■ 27, 3.240, 42.278

■ 18, 19.606, 42.452

■ 28, 0.591, 42.204

■ 17, 23.469, 42.829

■ 30, 1.882, 223.081

■ 15, 26.828, 41.955

■ 32, 4.196, 223.371

■ 14, 29.619, 40.381

■ 34, 6.367, 223.741

■ 13, 31.653, 39.696

■ 36, 8.411, 224.140

■ 38, 10.342,
224.554

■ 40, 12.173,
224.976

Harmonies

Complementary

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



23, 9.134, 42.008



25, 7.541, 224.408

Rectangle

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



23, 9.134, 42.008



23, 9.134, 92.008



23, 9.134, 222.008



23, 9.134, 272.008

Sweetspot

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



23, 9.133, 42.015



36, 3.268, 42.310



22, 15.074, 332.980



17, 2.254, 42.299



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



23, 9.133, 42.015



29, 14.227, 42.013



26, 10.700, 91.353



12, 1.410, 42.339



20, 44.776, 43.200



50, 89.415, 44.069

Inverse Universe

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



25, 7.541, 224.408



33, 11.088, 225.131



22, 10.810, 279.156



12, 1.349, 223.111



29, 21.801, 238.538



66, 40.728, 242.088

Previews

White Background



This preview shows how the CIELCh color 23, 9.134, 42.008 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 CIE LCh color 23, 9.134, 42.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

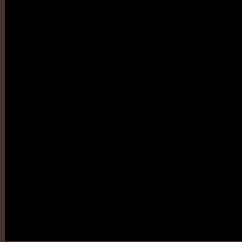
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 9.134, 42.008

Background



This preview shows how black text looks on a background with the CIELCh color 23, 9.134, 42.008.

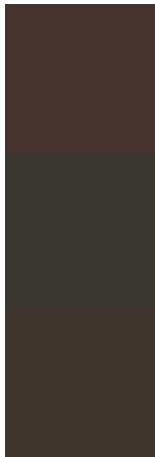


This preview shows how white text looks on a background with the CIELCh color 23, 9.134, 42.008.

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

23, 9.134, 42.008

Protanopia

23, 4.861, 91.861

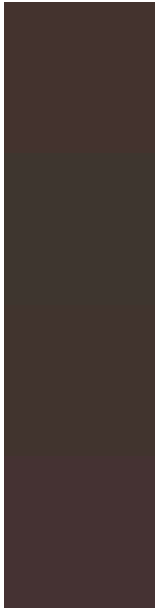
Deuteranopia

23, 7.188, 60.138



Tritanopia
23, 9.366, 5.028

Trichromacy



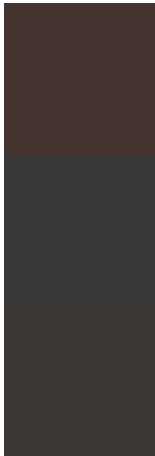
Original Color
23, 9.134, 42.008

Protanomaly
23, 6.091, 69.223

Deuteranomaly
23, 7.614, 51.758

Tritanomaly
23, 9.189, 17.187

Monochromacy



Original Color
23, 9.134, 42.008

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 3.130, 44.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 9.134, 42.008 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(68, 51, 46)` looks like.

```
.text, #text, p{  
    color:rgb(68, 51, 46)  
}
```

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(68, 51, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 51, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 9.134, 42.008 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(68, 51, 46) }
```

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

```
.border{ border-color:rgb(68, 51, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 51, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 51, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 51, 46);  
box-shadow:4px 4px 4px 4px rgb(68, 51, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 9.134, 42.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 51, 46) }
```

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

```
.background{ background-color: rgb(68, 51,  
46) }
```

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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