

Converting Colors

CIELCh(35, 24.071, 115.823)

Have a look what the booklet for
CIELCh(35, 24.071, 115.823)
contains.

CIELCh(35, 23.928, 115.396)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 23.928, 115.396)

Conversions

Conversions Part 1

Format	Color
Hex	4E562F
RGB	78, 86, 47
RGB Percent	31%, 34%, 18%
CMY	0.6938, 0.6624, 0.8154
CMYK	0.09, 0.00, 0.45, 0.66
HSL	72°, 29%, 26%
HSV	72°, 45%, 34%
XYZ	6.9982, 8.4984, 3.9693
YIQ	79.1620, 7.7510, -13.8250

Conversions

Conversions Part 2

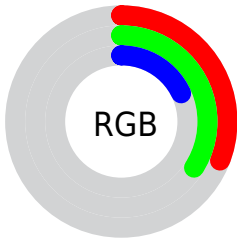
Format	Color
R_{YB}	47, 86, 55
Decimal	5133871
CIE _{Lab}	35.00, -10.26, 21.62
CIE _{LCh}	35, 23.928, 115.396
Yxy	8.4984, 0.3595, 0.4366
Android (android.graphics.Color)	4283323951 (0xFF4E562F)
YUV	79.1620, -15.8559, -1.0191
Hunter-Lab	29.1520, -8.1653, 12.3336

Details

The CIELCh color **35, 23.928, 115.396** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 26.402, 301.891**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 23.970, 115.548**, and **15, 24.071, 115.823** is the 20% darker color. If you saturate the color by 10%, you get **35, 28.831, 114.857**, and if you desaturate by 10%, it is **35, 18.810, 115.995**.

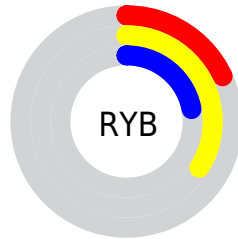
Distribution



Red (31%)

Green (34%)

Blue (18%)



Red (18%)

Yellow (34%)

Blue (22%)

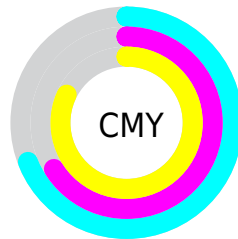


Cyan (9%)

Magenta (0%)

Yellow (45%)

Black (66%)



Cyan (69%)


Magenta (66%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.928, 115.396 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, 23.928, 115.396 by changing the saturation by 10% instead.


 35, 23.928,
115.396


 35, 23.928,
115.396

 100, 23.928,
115.396


 25, 23.928,
115.396

 55, 23.928,
115.396


 15, 23.928,
115.396


 65, 23.928,
115.396

 5, 23.928, 115.396

 75, 23.928,
115.396

 0, 23.928, 115.396

 85, 23.928,
115.396

 95, 23.928,
115.396

■ 35, 23.928,
115.396

■ 35, 23.928,
115.396

■ 35, 28.831,
114.857

■ 35, 18.810,
115.995

■ 34, 33.397,
114.413

■ 36, 13.557,
116.618

■ 34, 37.465,
114.121

■ 36, 8.225, 117.248

■ 34, 40.832,
114.050

■ 36, 2.854, 117.870

■ 37, 2.530, 298.468

■ 34, 43.606,
114.150

■ 37, 7.908, 299.050

■ 34, 44.993,
114.141

■ 38, 13.263,
299.602

■ 38, 18.587,
300.125

■ 39, 23.871,

Harmonies

Complementary

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



35, 23.928, 115.396



22, 26.402, 301.891

Rectangle

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



35, 23.928, 115.396



35, 23.928, 165.396



35, 23.928, 295.396



35, 23.928, 345.396

Sweetspot

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



35, 23.929, 115.398



47, 9.360, 117.300



26, 16.672, 39.487



23, 6.390, 117.216



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



35, 23.929, 115.398



45, 34.995, 114.832



34, 26.936, 133.657



17, 3.026, 117.655



42, 52.466, 114.438



87, 93.558, 115.156

Inverse Universe

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



22, 26.402, 301.891



26, 39.776, 303.033



24, 27.775, 317.501



16, 3.081, 298.752



11, 69.199, 307.670



31, 123.851, 307.200

Previews

White Background



This preview shows how the CIELCh color 35, 23.928, 115.396 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 35, 23.928, 115.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

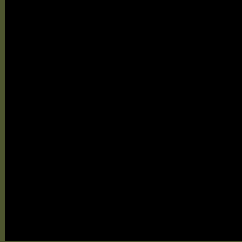
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.928, 115.396

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.928, 115.396.

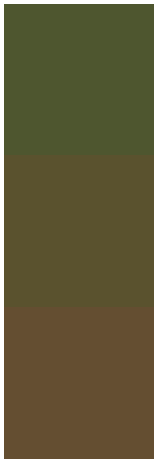


This preview shows how white text looks on a background with the CIELCh color 35, 23.928, 115.396.

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, 23.928, 115.396

Protanopia

35, 22.383, 96.216

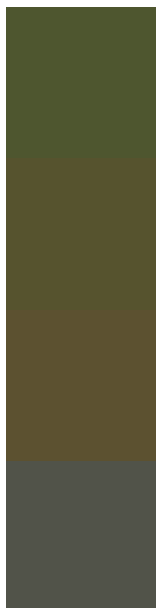
Deuteranopia

35, 21.250, 76.127



Tritanopia
35, 4.469, 301.697

Trichromacy



Original Color
35, 23.928, 115.396

Protanomaly
35, 22.597, 102.558

Deuteranomaly
35, 21.040, 91.733

Tritanomaly
35, 6.279, 117.252

Monochromacy



Original Color
35, 23.928, 115.396

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 9.428, 116.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.928, 115.396 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(78, 86, 47)` looks like.

```
.text, #text, p{  
    color:rgb(78, 86, 47)  
}
```

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(78, 86, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 86, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.928, 115.396 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(78, 86, 47) }
```

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

```
.border{ border-color:rgb(78, 86, 47) }
```

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

Here you see how a box with a 4 pixel rgb(78, 86, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 86, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 86, 47);  
box-shadow:4px 4px 4px 4px rgb(78, 86, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.928, 115.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 86, 47) }
```

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

```
.background{ background-color: rgb(78, 86,  
47) }
```

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