

Converting Colors

CIELCh(38, 23.206, 149.189)

Have a look what the booklet for
CIELCh(38, 23.206, 149.189)
contains.

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Color

CIELCh(38, 23.169, 149.222)

Conversions

Conversions Part 1

Format	Color
Hex	3D6246
RGB	61, 98, 70
RGB Percent	24%, 38%, 27%
CMY	0.7621, 0.6171, 0.7268
CMYK	0.38, 0.00, 0.29, 0.62
HSL	135°, 23%, 31%
HSV	135°, 38%, 38%
XYZ	7.3327, 10.0881, 7.2996
YIQ	83.7450, -13.0640, -16.5520

Conversions

Conversions Part 2

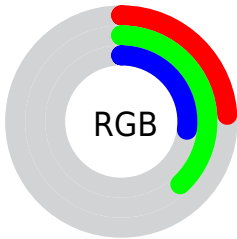
Format	Color
RYB	61, 91, 98
Decimal	4022854
CIELab	38.00, -19.91, 11.86
CIELCh	38, 23.169, 149.222
Yxy	10.0881, 0.2966, 0.4081
Android (android.graphics.Color)	4282212934 (0xFF3D6246)
YUV	83.7450, -6.7763, -19.9474
Hunter-Lab	31.7617, -14.3731, 8.6069

Details

The CIELCh color $[38, 23.169, 149.222]$ is a dark color, and the websafe version is hex $\#336633$. A complement of this color would be $[31, 23.322, 334.515]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 23.383, 148.835]$, and $[18, 23.411, 148.962]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 29.050, 148.179]$, and if you desaturate by 10%, it is $[39, 17.110, 150.135]$.

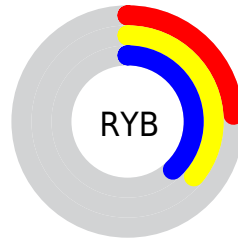
Distribution



Red (24%)

Green (38%)

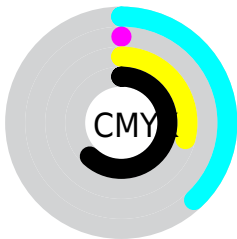
Blue (27%)



Red (24%)

Yellow (36%)

Blue (38%)

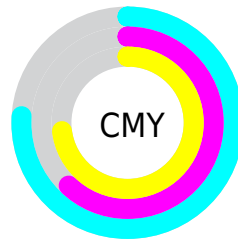


Cyan (38%)

Magenta (0%)

Yellow (29%)

Black (62%)



Cyan (76%)


Magenta (62%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 23.169, 149.222 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 38, 23.169, 149.222 by changing the saturation by 10% instead.

 38, 23.169,
149.222

 38, 23.169,
149.222

 100, 23.169,
149.222


 28, 23.169,
149.222

 58, 23.169,
149.222


 18, 23.169,
149.222


 68, 23.169,
149.222

 8, 23.169, 149.222

 78, 23.169,
149.222

 0, 23.169, 149.222

 88, 23.169,
149.222

 98, 23.169,
149.222

■ 38, 23.169,
149.222

■ 38, 23.169,
149.222

■ 37, 29.050,
148.179

■ 39, 17.110,
150.135

■ 37, 34.647,
146.991

■ 40, 10.964,
150.935

■ 36, 39.847,
145.652

■ 41, 4.810, 151.651

■ 36, 44.545,
144.168

■ 42, 1.291, 332.072

■ 43, 7.293, 332.730

■ 36, 48.643,
142.565

■ 44, 13.162,
333.217

■ 36, 52.198,
141.059

■ 45, 18.877,
333.645

■ 35, 52.908,
140.796

■ 47, 24.426,
334.027

■ 48, 29.802,
334.370

Harmonies

Complementary

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



38, 23.169, 149.222



31, 23.322, 334.515

Rectangle

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



38, 23.169, 149.222



38, 23.169, 199.222



38, 23.169, 329.222



38, 23.169, 19.222

Sweetspot

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



38, 23.170, 149.222



52, 8.378, 151.410



40, 22.427, 116.994



26, 5.583, 151.349



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 23.170, 149.222



49, 34.054, 148.346



38, 15.797, 174.788



19, 3.404, 151.582



41, 58.818, 140.456



83, 105.724, 139.267

Inverse Universe

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



31, 23.322, 334.515



38, 34.218, 335.121



30, 17.797, 2.461



18, 3.417, 332.595



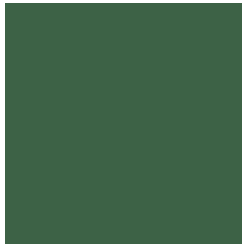
24, 52.738, 340.228



54, 91.242, 341.193

Previews

White Background



This preview shows how the CIELCh color 38, 23.169, 149.222 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 23.169, 149.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 23.169, 149.222

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.169, 149.222.



This preview shows how white text looks on a background with the CIELCh color 38, 23.169, 149.222.

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


38, 23.169, 149.222

Protanopia

38, 14.416, 94.835

Deuteranopia

38, 12.038, 65.130



Tritanopia
38, 10.859, 221.771

Trichromacy



Original Color
38, 23.169, 149.222

Protanomaly
38, 15.751, 122.703

Deuteranomaly
38, 11.641, 112.743

Tritanomaly
38, 12.266, 183.224

Monochromacy



Original Color
38, 23.169, 149.222

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.382, 150.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.169, 149.222 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(61, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(61, 98, 70)  
}
```

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(61, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 98, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.169, 149.222 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(61, 98, 70) }
```

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

```
.border{ border-color:rgb(61, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(61, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(61, 98, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.169, 149.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 98, 70) }
```

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

```
.background{ background-color: rgb(61, 98,  
70) }
```

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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