

Converting Colors

CIELCh(38, 24.582, 103.946)

Have a look what the booklet for
CIELCh(38, 24.582, 103.946)
contains.

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Color

CIELCh(38, 24.582, 103.946)

Conversions

Conversions Part 1

Format	Color
Hex	5D5B32
RGB	93, 91, 50
RGB Percent	36%, 36%, 20%
CMY	0.6345, 0.6423, 0.8032
CMYK	0.00, 0.02, 0.46, 0.63
HSL	57°, 30%, 28%
HSV	57°, 46%, 37%
XYZ	8.8747, 10.0881, 4.5191
YIQ	86.9240, 14.3530, -12.3270

Conversions

Conversions Part 2

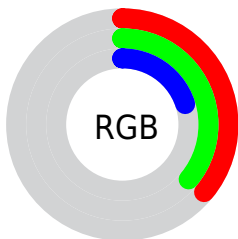
Format	Color
RYB	52, 93, 50
Decimal	6118194
CIELab	38.00, -5.92, 23.86
CIELCh	38, 24.582, 103.946
Yxy	10.0881, 0.3779, 0.4296
Android (android.graphics.Color)	4284308274 (0xFF5D5B32)
YUV	86.9240, -18.2035, 5.3287
Hunter-Lab	31.7617, -5.7073, 13.7973

Details

The CIELCh color $38, 24.582, 103.946$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 27.243, 294.311$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 24.683, 104.238$, and $18, 24.387, 103.107$ is the 20% darker color. If you saturate the color by 10%, you get $38, 29.527, 103.059$, and if you desaturate by 10%, it is $38, 19.414, 104.873$.

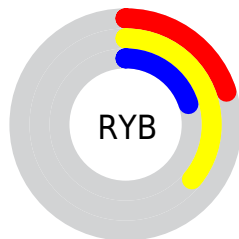
Distribution



Red (36%)

Green (36%)

Blue (20%)



Red (20%)

Yellow (36%)

Blue (20%)

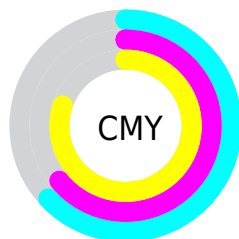


Cyan (0%)

Magenta (2%)

Yellow (46%)

Black (63%)



Cyan (63%)

Magenta (64%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.582, 103.946 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, 24.582, 103.946 by changing the saturation by 10% instead.

 38, 24.582,
103.946

 38, 24.582,
103.946

 100, 24.582,
103.946

 28, 24.582,
103.946

 58, 24.582,
103.946

 18, 24.582,
103.946

 68, 24.582,
103.946

 8, 24.582, 103.946

 78, 24.582,
103.946

 0, 24.582, 103.946

 88, 24.582,
103.946

 98, 24.582,
103.946

■ 38, 24.582,
103.946

■ 38, 24.582,
103.946

■ 38, 29.527,
103.059

■ 38, 19.414,
104.873

■ 37, 34.110,
102.222

■ 39, 14.112,
105.812

■ 37, 38.139,
101.464

■ 39, 8.737, 106.751

■ 37, 41.374,
100.809

■ 39, 3.327, 107.675

■ 40, 2.092, 288.626

■ 37, 43.924,
100.244

■ 40, 7.504, 289.498

■ 37, 44.973,
100.025

■ 41, 12.899,
290.354

■ 41, 18.268,
291.178

■ 42, 23.605,

Harmonies

Complementary

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



38, 24.582, 103.946



24, 27.243, 294.311

Rectangle

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



38, 24.582, 103.946



38, 24.582, 153.946



38, 24.582, 283.946



38, 24.582, 333.946

Sweetspot

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



38, 24.583, 103.949



51, 9.480, 106.910



26, 20.950, 20.080



25, 6.482, 106.773



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 24.583, 103.949



49, 36.157, 103.005



37, 27.283, 125.245



19, 2.994, 107.432



43, 50.376, 99.966



88, 88.611, 99.770

Inverse Universe

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



24, 27.243, 294.311



28, 41.460, 296.340



25, 29.258, 309.639



17, 3.048, 289.122



11, 69.235, 305.256



30, 124.784, 305.876

Previews

White Background



This preview shows how the CIELCh color 38, 24.582, 103.946 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 CIELCh color 38, 24.582, 103.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

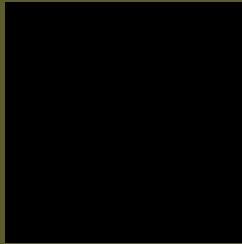
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.582, 103.946

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.582, 103.946.



This preview shows how white text looks on a background with the CIELCh color 38, 24.582, 103.946.

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, 24.582, 103.946

Protanopia

38, 24.370, 97.090

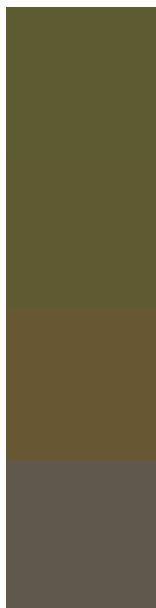
Deuteranopia

38, 23.570, 76.850



Tritanopia
38, 6.676, 340.271

Trichromacy



Original Color
38, 24.582, 103.946

Protanomaly
38, 24.219, 99.363

Deuteranomaly
38, 23.300, 86.949

Tritanomaly
38, 7.645, 81.075

Monochromacy



Original Color
38, 24.582, 103.946

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 9.186, 108.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.582, 103.946 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(93, 91, 50)` looks like.

```
.text, #text, p{  
    color:rgb(93, 91, 50)  
}
```

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(93, 91, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 91, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.582, 103.946 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(93, 91, 50) }
```

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

```
.border{ border-color:rgb(93, 91, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 91, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 91, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 91, 50);  
box-shadow:4px 4px 4px 4px rgb(93, 91, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.582, 103.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 91, 50) }
```

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

```
.background{ background-color: rgb(93, 91,  
50) }
```

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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