

Converting Colors

CIELCh(38, 22.973, 164.099)

Have a look what the booklet for
CIELCh(38, 22.973, 164.099)
contains.

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Color

CIELCh(38, 23.051, 164.357)

Conversions

Conversions Part 1

Format	Color
Hex	31634F
RGB	49, 99, 79
RGB Percent	19%, 39%, 31%
CMY	0.8087, 0.6127, 0.6911
CMYK	0.51, 0.00, 0.20, 0.61
HSL	156°, 34%, 29%
HSV	156°, 51%, 39%
XYZ	7.0985, 10.0881, 8.9279
YIQ	81.7700, -23.3800, -16.8200

Conversions

Conversions Part 2

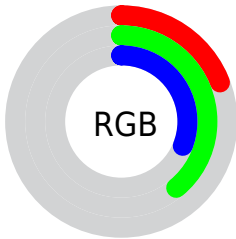
Format	Color
RYB	49, 80, 99
Decimal	3236687
CIELab	38.00, -22.20, 6.22
CIELCh	38, 23.051, 164.357
Yxy	10.0881, 0.2718, 0.3863
Android (android.graphics.Color)	4281426767 (0xFF31634F)
YUV	81.7700, -1.3656, -28.7393
Hunter-Lab	31.7617, -15.6897, 5.5674

Details

The CIELCh color **38, 23.051, 164.357** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 25.246, 355.076**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 22.943, 164.273**, and **18, 22.301, 163.733** is the 20% darker color. If you saturate the color by 10%, you get **38, 26.960, 163.010**, and if you desaturate by 10%, it is **39, 18.838, 165.566**.

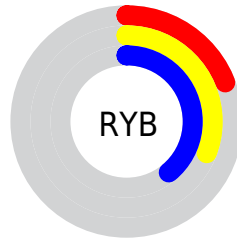
Distribution



Red (19%)

Green (39%)

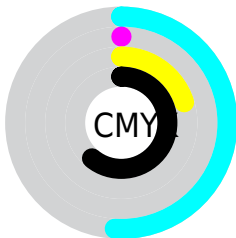
Blue (31%)



Red (19%)

Yellow (31%)

Blue (39%)

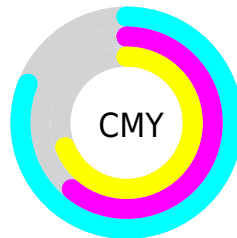


Cyan (51%)

Magenta (0%)

Yellow (20%)

Black (61%)



Cyan (81%)


Magenta (61%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 23.051, 164.357 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, 23.051, 164.357 by changing the saturation by 10% instead.


 38, 23.051,
164.357


 38, 23.051,
164.357

 100, 23.051,
164.357


 28, 23.051,
164.357

 58, 23.051,
164.357


 18, 23.051,
164.357


 68, 23.051,
164.357

 8, 23.051, 164.357

 78, 23.051,
164.357

 0, 23.051, 164.357

 88, 23.051,
164.357

 98, 23.051,
164.357

■ 38, 23.051,
164.357

■ 38, 23.051,
164.357

■ 38, 26.960,
163.010

■ 39, 18.838,
165.566

■ 37, 30.503,
161.506

■ 39, 14.389,
166.660

■ 37, 33.634,
159.827

■ 40, 9.774, 167.659

■ 37, 36.336,
157.964

■ 41, 5.056, 168.591

■ 42, 0.293, 170.278

■ 36, 38.719,
156.283

■ 43, 4.470, 350.093

■ 44, 9.195, 350.850

■ 45, 13.856,
351.544

■ 46, 18.432,
352.194

Harmonies

Complementary

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



38, 23.051, 164.357



27, 25.246, 355.076

Rectangle

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



38, 23.051, 164.357



38, 23.051, 214.357



38, 23.051, 344.357



38, 23.051, 34.357

Sweetspot

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



38, 23.052, 164.356



52, 8.795, 168.148



38, 32.550, 130.270



26, 5.944, 168.016



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, 23.052, 164.356



48, 33.273, 162.702



37, 15.922, 208.797



20, 2.629, 168.754



41, 42.653, 155.908



84, 76.688, 154.377

Inverse Universe

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



27, 25.246, 355.076



33, 36.957, 357.267



28, 22.858, 31.490



18, 2.674, 350.111



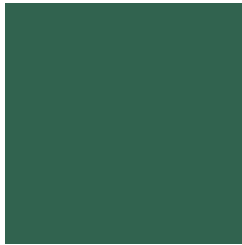
22, 46.135, 9.143



51, 81.084, 12.644

Previews

White Background



This preview shows how the CIELCh color 38, 23.051, 164.357 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, 23.051, 164.357 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, 23.051, 164.357

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.051, 164.357.



This preview shows how white text looks on a background with the CIELCh color 38, 23.051, 164.357.

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, 23.051, 164.357

Protanopia

38, 9.452, 94.857

Deuteranopia

38, 6.682, 41.596



Tritanopia
38, 14.488, 217.862

Trichromacy



Original Color
38, 23.051, 164.357

Protanomaly
38, 12.319, 140.319

Deuteranomaly
38, 7.532, 143.860

Tritanomaly
38, 15.863, 192.909

Monochromacy



Original Color
38, 23.051, 164.357

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.747, 168.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.051, 164.357 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(49, 99, 79)` looks like.

```
.text, #text, p{  
    color:rgb(49, 99, 79)  
}
```

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(49, 99, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 99, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.051, 164.357 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(49, 99, 79) }
```

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

```
.border{ border-color:rgb(49, 99, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 99, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 99, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 99, 79);  
box-shadow:4px 4px 4px 4px rgb(49, 99, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.051, 164.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 99, 79) }
```

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

```
.background{ background-color: rgb(49, 99,  
79) }
```

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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