

Converting Colors

CIELCh(38, 18.464, 134.609)

Have a look what the booklet for
CIElCh(38, 18.464, 134.609)
contains.

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Color

CIELCh(38, 18.464, 134.609)

Conversions

Conversions Part 1

Format	Color
Hex	4C5F44
RGB	76, 95, 68
RGB Percent	30%, 37%, 27%
CMY	0.7028, 0.6283, 0.7341
CMYK	0.20, 0.00, 0.28, 0.63
HSL	102°, 17%, 32%
HSV	102°, 28%, 37%
XYZ	8.0735, 10.0881, 6.9577
YIQ	86.2410, -2.6570, -12.4250

Conversions

Conversions Part 2

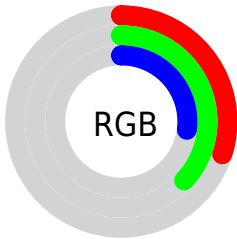
Format	Color
RYB	68, 95, 87
Decimal	5005124
CIELab	38.00, -12.97, 13.14
CIElCh	38, 18.464, 134.609
Yxy	10.0881, 0.3214, 0.4016
Android (android.graphics.Color)	4283195204 (0xFF4C5F44)
YUV	86.2410, -8.9928, -8.9814
Hunter-Lab	31.7617, -10.2098, 9.2451

Details

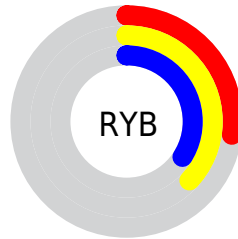
The CIELCh color **38, 18.464, 134.609** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **32, 18.828, 316.983**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 18.976, 134.830**, and **18, 18.472, 135.160** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.886, 134.098**, and if you desaturate by 10%, it is **39, 11.972, 135.091**.

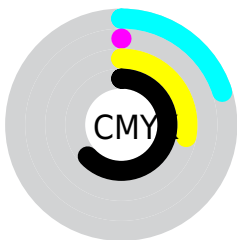
Distribution



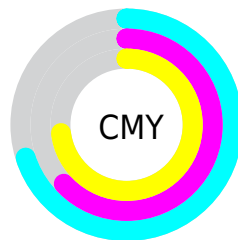
- Red (30%)
- Green (37%)
- Blue (27%)



- Red (27%)
- Yellow (37%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (63%)



- Cyan (70%)
- Magenta (63%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 18.464, 134.609 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, 18.464, 134.609 by changing the saturation by 10% instead.


 38, 18.464,
134.609

 38, 18.464,
134.609

 100, 18.464,
134.609


 28, 18.464,
134.609

 58, 18.464,
134.609

 18, 18.464,
134.609

 68, 18.464,
134.609

 8, 18.464, 134.609

 78, 18.464,
134.609

 0, 18.464, 134.609

 88, 18.464,
134.609

 98, 18.464,
134.609

■ 38, 18.464,
134.609

■ 38, 18.464,
134.609

■ 37, 24.886,
134.098

■ 39, 11.972,
135.091

■ 37, 31.145,
133.574

■ 40, 5.472, 135.539

■ 36, 37.119,
133.073

■ 40, 0.986, 315.805

■ 41, 7.368, 316.246

■ 36, 42.646,
132.650

■ 42, 13.648,
316.559

■ 35, 47.514,
132.389

■ 43, 19.810,
316.830

■ 35, 51.480,
132.393

■ 44, 25.843,
317.065

■ 35, 54.867,
132.397

■ 45, 31.741,
317.268

■ 35, 55.396,

132.355

■ 47, 37.501,
317.445

Harmonies

Complementary

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



38, 18.464, 134.609



32, 18.828, 316.983

Rectangle

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



38, 18.464, 134.609



38, 18.464, 184.609



38, 18.464, 314.609



38, 18.464, 4.609

Sweetspot

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



38, 18.465, 134.610



50, 7.175, 135.504



37, 12.199, 90.373



25, 4.942, 135.460



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, 18.465, 134.610



48, 27.178, 134.278



38, 17.609, 148.577



20, 3.689, 135.520



41, 62.589, 132.633



84, 110.475, 133.424

Inverse Universe

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



32, 18.828, 316.983



39, 27.835, 317.247



32, 17.686, 332.213



18, 3.716, 316.181



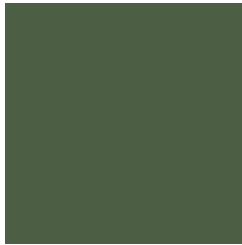
19, 65.167, 317.898



45, 114.290, 317.331

Previews

White Background



This preview shows how the CIELCh color 38, 18.464, 134.609 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, 18.464, 134.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

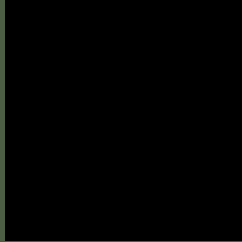
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 18.464, 134.609

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.464, 134.609.

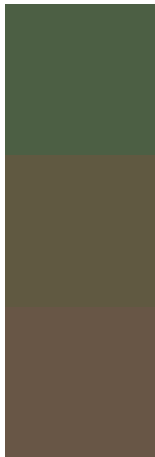


This preview shows how white text looks on a background with the CIELCh color 38, 18.464, 134.609.

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, 18.464, 134.609

Protanopia

38, 15.007, 95.219

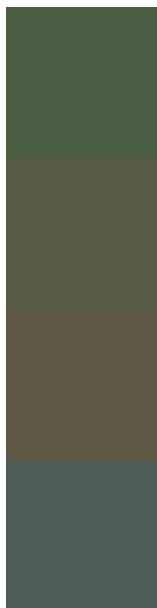
Deuteranopia

38, 12.994, 68.504



Tritanopia
38, 5.786, 247.333

Trichromacy



Original Color
38, 18.464, 134.609

Protanomaly
38, 15.222, 111.181

Deuteranomaly
38, 12.436, 97.539

Tritanomaly
38, 6.272, 169.217

Monochromacy



Original Color
38, 18.464, 134.609

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.888, 135.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.464, 134.609 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(76, 95, 68)` looks like.

```
.text, #text, p{  
    color:rgb(76, 95, 68)  
}
```

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(76, 95, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 95, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.464, 134.609 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(76, 95, 68) }
```

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

```
.border{ border-color:rgb(76, 95, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 95, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 95, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 95, 68);  
box-shadow:4px 4px 4px 4px rgb(76, 95, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.464, 134.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 95, 68) }
```

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

```
.background{ background-color: rgb(76, 95,  
68) }
```

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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