

Converting Colors

CIELCh(38, 21.652, 196.783)

Have a look what the booklet for
CIELCh(38, 21.652, 196.783)
contains.

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Color

CIELCh(38, 21.736, 196.768)

Conversions

Conversions Part 1

Format	Color
Hex	1E6363
RGB	30, 99, 99
RGB Percent	12%, 39%, 39%
CMY	0.8826, 0.6120, 0.6120
CMYK	0.70, 0.00, 0.00, 0.61
HSL	180°, 54%, 25%
HSV	180°, 70%, 39%
XYZ	7.2395, 10.0881, 13.3565
YIQ	78.3690, -41.1240, -14.6280

Conversions

Conversions Part 2

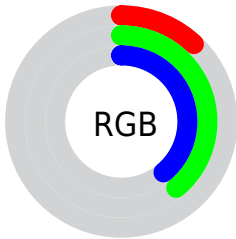
Format	Color
R_{YB}	30, 65, 99
Decimal	1991523
CIE _{Lab}	38.00, -20.81, -6.27
CIE _{LCh}	38, 21.736, 196.768
Yxy	10.0881, 0.2359, 0.3288
Android (android.graphics.Color)	4280181603 (0xFF1E6363)
YUV	78.3690, 10.1711, -42.4196
Hunter-Lab	31.7617, -14.8971, -2.6995

Details

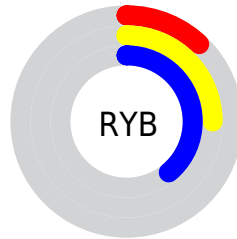
The CIELCh color **38, 21.736, 196.768** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 35.568, 28.956**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 21.727, 197.432**, and **19, 16.116, 198.913** is the 20% darker color. If you saturate the color by 10%, you get **38, 23.217, 196.595**, and if you desaturate by 10%, it is **38, 19.777, 196.996**.

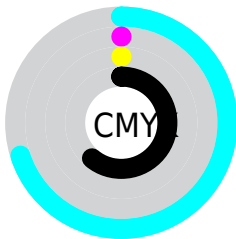
Distribution



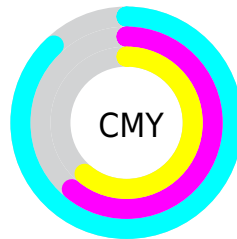
- Red (12%)
- Green (39%)
- Blue (39%)



- Red (12%)
- Yellow (25%)
- Blue (39%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (61%)





- Cyan (88%)
- Magenta (61%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.736, 196.768 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, 21.736, 196.768 by changing the saturation by 10% instead.


 38, 21.736,
196.768


 38, 21.736,
196.768

 100, 21.736,
196.768


 28, 21.736,
196.768

 58, 21.736,
196.768


 18, 21.736,
196.768


 68, 21.736,
196.768

 8, 21.736, 196.768

 78, 21.736,
196.768

 0, 21.736, 196.768

 88, 21.736,
196.768

 98, 21.736,
196.768

■ 38, 21.736,
196.768

■ 38, 21.736,
196.768

■ 38, 23.217,
196.595

■ 38, 19.777,
196.996

■ 38, 24.227,
196.478

■ 39, 17.356,
197.284

■ 38, 25.013,
196.388

■ 39, 14.508,
197.628

■ 38, 25.033,
196.386

■ 40, 11.282,
198.025

■ 40, 7.733, 198.475

■ 41, 3.919, 198.993

■ 42, 0.104, 16.225

■ 43, 4.284, 19.878

■ 44, 8.575, 20.474

Harmonies

Complementary

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



38, 21.736, 196.768



23, 35.568, 28.956

Rectangle

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



38, 21.736, 196.768



38, 21.736, 246.768



38, 21.736, 16.768



38, 21.736, 66.768

Sweetspot

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



38, 21.736, 196.767



51, 10.073, 198.388



37, 48.173, 138.386



26, 6.722, 198.305



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, 21.736, 196.767



48, 28.669, 196.511



27, 23.456, 267.872



20, 2.221, 199.046



42, 27.356, 196.386



86, 47.822, 196.386

Inverse Universe

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



23, 35.568, 28.956



27, 53.283, 34.211



30, 28.938, 65.576



18, 2.339, 19.837



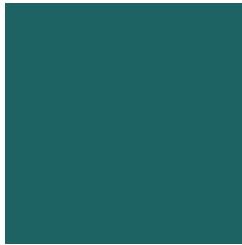
22, 54.832, 37.108



50, 99.790, 40.000

Previews

White Background



This preview shows how the CIELCh color 38, 21.736, 196.768 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, 21.736, 196.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

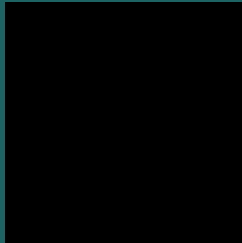
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 21.736, 196.768

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.736, 196.768.



This preview shows how white text looks on a background with the CIELCh color 38, 21.736, 196.768.

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, 21.736, 196.768

Protanopia
38, 2.505, 300.151

Deuteranopia
38, 9.497, 303.840



Tritanopia
38, 20.247, 211.337

Trichromacy



Original Color
38, 21.736, 196.768

Protanomaly
38, 9.732, 205.524

Deuteranomaly
37, 10.158, 236.215

Tritanomaly
38, 20.489, 205.729

Monochromacy



Original Color
38, 21.736, 196.768

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 9.859, 198.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.736, 196.768 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(30, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(30, 99, 99)  
}
```

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(30, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.736, 196.768 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(30, 99, 99) }
```

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

```
.border{ border-color:rgb(30, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(30, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.736, 196.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 99, 99) }
```

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

```
.background{ background-color: rgb(30, 99,  
99) }
```

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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