

Converting Colors

CIELCh(38, 12.694, 258.543)

Have a look what the booklet for
CIELCh(38, 12.694, 258.543)
contains.

CIELCh(38, 12.344, 257.206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 12.344, 257.206)

Conversions

Conversions Part 1

Format	Color
Hex	495C6D
RGB	73, 92, 109
RGB Percent	29%, 36%, 43%
CMY	0.7152, 0.6407, 0.5741
CMYK	0.33, 0.16, 0.00, 0.57
HSL	208°, 20%, 36%
HSV	208°, 33%, 43%
XYZ	9.2545, 10.0881, 15.8193
YIQ	88.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

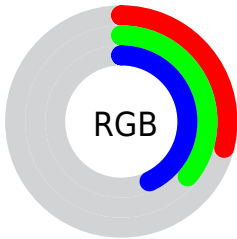
Format	Color
R_{YB}	73, 85, 109
Decimal	4807789
CIE _{Lab}	38.00, -2.73, -12.04
CIE _{LCh}	38, 12.344, 257.206
Yxy	10.0881, 0.2632, 0.2869
Android (android.graphics.Color)	4282997869 (0xFF495C6D)
YUV	88.2570, 10.2263, -13.3804
Hunter-Lab	31.7617, -3.5728, -7.2968

Details

The CIELCh color **38, 12.344, 257.206** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 13.674, 68.592**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 12.544, 258.841**, and **18, 12.190, 257.452** is the 20% darker color. If you saturate the color by 10%, you get **36, 15.901, 259.283**, and if you desaturate by 10%, it is **40, 8.696, 255.454**.

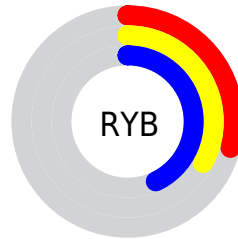
Distribution



Red (29%)

Green (36%)

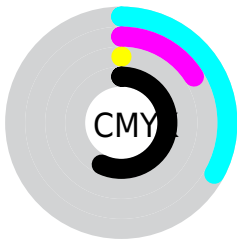
Blue (43%)



Red (29%)

Yellow (33%)

Blue (43%)

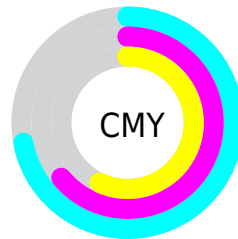


Cyan (33%)

Magenta (16%)

Yellow (0%)

Black (57%)



Cyan (72%)


Magenta (64%)

Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 12.344, 257.206 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, 12.344, 257.206 by changing the saturation by 10% instead.


 38, 12.344,
257.206


 38, 12.344,
257.206

 100, 12.344,
257.206


 28, 12.344,
257.206

 58, 12.344,
257.206


 18, 12.344,
257.206


 68, 12.344,
257.206

 8, 12.344, 257.206

 78, 12.344,
257.206

 0, 12.344, 257.206

 88, 12.344,
257.206

 98, 12.344,
257.206

■ 38, 12.344,
257.206

■ 38, 12.344,
257.206

■ 36, 15.901,
259.283

■ 40, 8.696, 255.454

■ 43, 4.975, 253.991

■ 33, 19.360,
261.746

■ 45, 1.196, 252.892

■ 31, 22.720,
264.642

■ 48, 2.624, 71.516

■ 29, 25.998,
268.004

■ 50, 6.471, 70.654

■ 52, 10.331, 69.875

■ 27, 29.229,
271.824

■ 55, 14.193, 69.193

■ 25, 32.473,
276.008

■ 57, 18.048, 68.593

■ 60, 21.889, 68.064

■ 24, 34.792,
278.684

Harmonies

Complementary

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



38, 12.344, 257.206



39, 13.674, 68.592

Rectangle

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



38, 12.344, 257.206



38, 12.344, 307.206



38, 12.344, 77.206



38, 12.344, 127.206

Sweetspot

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



38, 12.343, 257.203



55, 4.683, 253.624



43, 18.638, 159.031



28, 3.218, 253.757



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 12.343, 257.203



47, 18.230, 258.823



33, 21.981, 292.796



21, 2.111, 253.463



26, 37.039, 279.129



54, 67.305, 282.073

Inverse Universe

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



35, 19.183, 345.013



43, 28.533, 345.864



45, 20.464, 105.703



21, 3.163, 342.810



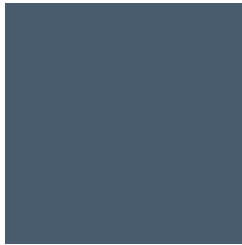
24, 48.263, 357.670



53, 82.474, 0.146

Previews

White Background



This preview shows how the CIELCh color 38, 12.344, 257.206 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, 12.344, 257.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

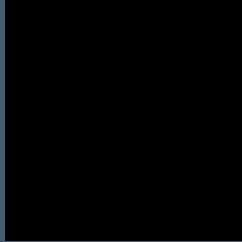
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

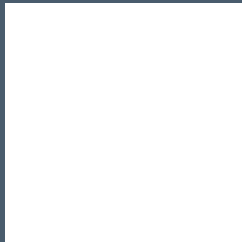
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 12.344, 257.206

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.344, 257.206.

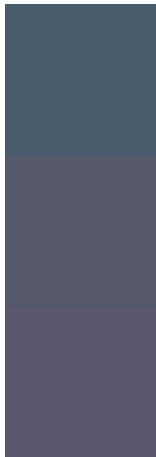


This preview shows how white text looks on a background with the CIELCh color 38, 12.344, 257.206.

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, 12.344, 257.206

Protanopia

38, 11.127, 285.936

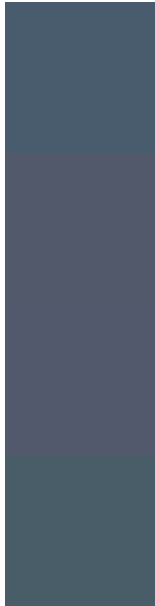
Deuteranopia

38, 14.196, 293.945



Tritanopia
38, 9.317, 226.167

Trichromacy



Original Color
38, 12.344, 257.206

Protanomaly
38, 11.411, 276.415

Deuteranomaly
38, 12.518, 279.879

Tritanomaly
38, 9.864, 237.396

Monochromacy



Original Color
38, 12.344, 257.206

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.607, 252.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.344, 257.206 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(73, 92, 109)` looks like.

```
.text, #text, p{  
    color:rgb(73, 92, 109)  
}
```

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(73, 92, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 92, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.344, 257.206 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(73, 92, 109) }
```

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

```
.border{ border-color:rgb(73, 92, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 92, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 92, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 92, 109);  
box-shadow:4px 4px 4px 4px rgb(73, 92,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.344, 257.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 92, 109) }
```

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

```
.background{ background-color: rgb(73, 92,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor