

Converting Colors

CIELCh(40, 21.513, 248.897)

Have a look what the booklet for
CIELCh(40, 21.513, 248.897)
contains.

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Color

CIELCh(40, 21.868, 250.204)

Conversions

Conversions Part 1

Format	Color
Hex	33637F
RGB	51, 99, 127
RGB Percent	20%, 39%, 50%
CMY	0.7984, 0.6103, 0.5004
CMYK	0.60, 0.22, 0.00, 0.50
HSL	202°, 42%, 35%
HSV	202°, 60%, 50%
XYZ	9.7393, 11.2510, 21.8699
YIQ	87.8400, -37.5960, -1.4680

Conversions

Conversions Part 2

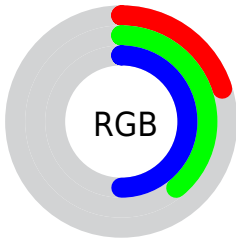
Format	Color
R_{YB}	51, 80, 127
Decimal	3367807
CIE _{Lab}	40.00, -7.41, -20.58
CIE _{LCh}	40, 21.868, 250.204
Yxy	11.2510, 0.2272, 0.2625
Android (android.graphics.Color)	4281557887 (0xFF33637F)
YUV	87.8400, 19.3059, -32.3087
Hunter-Lab	33.5425, -6.8707, -15.1776

Details

The CIELCh color **40, 21.868, 250.204** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 30.095, 55.388**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 21.885, 249.754**, and **20, 20.512, 254.663** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.739, 253.354**, and if you desaturate by 10%, it is **42, 18.739, 247.587**.

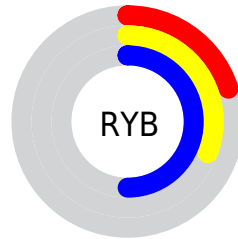
Distribution



Red (20%)

Green (39%)

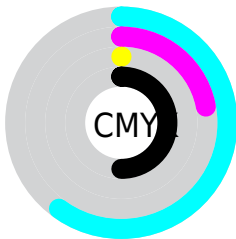
Blue (50%)



Red (20%)

Yellow (31%)

Blue (50%)

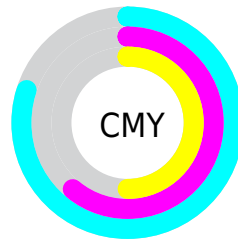


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (50%)



Cyan (80%)


Magenta (61%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.868, 250.204 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 40, 21.868, 250.204 by changing the saturation by 10% instead.


 40, 21.868,
250.204


 40, 21.868,
250.204


 100, 21.868,
250.204


 30, 21.868,
250.204

 60, 21.868,
250.204


 20, 21.868,
250.204

 70, 21.868,
250.204

 10, 21.868,
250.204

 80, 21.868,
250.204

 0, 21.868, 250.204

 90, 21.868,
250.204

 40, 21.868,

 40, 21.868,

250.204

■ 38, 24.739,
253.354

■ 36, 27.378,
257.083

■ 34, 29.842,
261.386

■ 33, 32.297,
265.883

■ 33, 32.390,
266.036

250.204

■ 42, 18.739,
247.587

■ 44, 15.357,
245.436

■ 46, 11.745,
243.678

■ 49, 7.935, 242.248

■ 51, 3.959, 241.107

■ 53, 0.147, 57.784

■ 56, 4.355, 59.170

■ 58, 8.636, 58.540

■ 61, 12.970, 57.995

Harmonies

Complementary

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



40, 21.868, 250.204



39, 30.095, 55.388

Rectangle

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



40, 21.868, 250.204



40, 21.868, 300.204



40, 21.868, 70.204



40, 21.868, 120.204

Sweetspot

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



40, 21.867, 250.204



63, 9.039, 242.094



48, 40.040, 151.163



32, 6.302, 242.417



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 21.867, 250.204



48, 31.304, 254.795



29, 42.286, 293.838



26, 2.319, 241.055



33, 32.412, 266.041



0, 0.000, 0.000

Inverse Universe

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



34, 40.549, 342.434



40, 57.443, 344.313



49, 37.373, 97.781



25, 3.936, 337.805



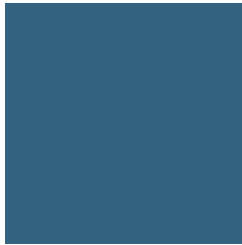
27, 53.380, 349.337



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 21.868, 250.204 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 40, 21.868, 250.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

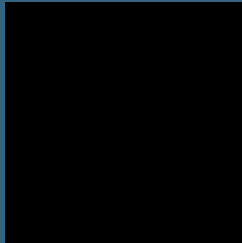
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.868, 250.204

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.868, 250.204.

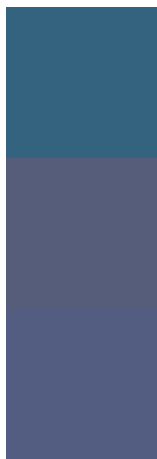


This preview shows how white text looks on a background with the CIELCh color 40, 21.868, 250.204.

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

40, 21.868, 250.204

Protanopia

40, 17.795, 284.651

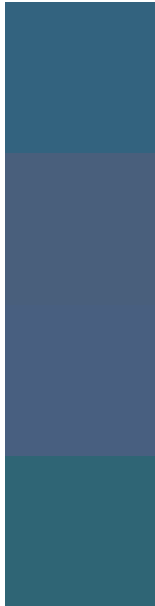
Deuteranopia

40, 22.097, 284.430



Tritanopia
40, 19.234, 214.090

Trichromacy



Original Color
40, 21.868, 250.204

Protanomaly
40, 18.919, 269.295

Deuteranomaly
40, 21.205, 271.862

Tritanomaly
40, 19.258, 228.429

Monochromacy



Original Color
40, 21.868, 250.204

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.813, 243.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.868, 250.204 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(51, 99, 127)` looks like.

```
.text, #text, p{  
    color:rgb(51, 99, 127)  
}
```

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(51, 99, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 99, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.868, 250.204 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(51, 99, 127) }
```

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

```
.border{ border-color:rgb(51, 99, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 99, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 99, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 99, 127);  
box-shadow:4px 4px 4px 4px rgb(51, 99,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.868, 250.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 99, 127) }
```

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

```
.background{ background-color: rgb(51, 99,  
127) }
```

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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