

Converting Colors

CIELCh(40, 21.990, 260.028)

Have a look what the booklet for
CIELCh(40, 21.990, 260.028)
contains.

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Color

CIELCh(40, 21.821, 259.337)

Conversions

Conversions Part 1

Format	Color
Hex	3C6281
RGB	60, 98, 129
RGB Percent	24%, 38%, 51%
CMY	0.7652, 0.6162, 0.4946
CMYK	0.54, 0.24, 0.00, 0.49
HSL	207°, 37%, 37%
HSV	207°, 54%, 51%
XYZ	10.1660, 11.2510, 22.3600
YIQ	90.1720, -32.5990, 1.5850

Conversions

Conversions Part 2

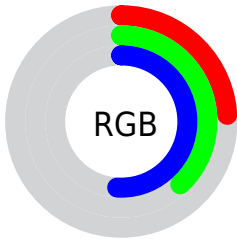
Format	Color
R _{YB}	60, 85, 129
Decimal	3957377
CIE Lab	40.00, -4.04, -21.44
CIE LCh	40, 21.821, 259.337
Yxy	11.2510, 0.2322, 0.2570
Android (android.graphics.Color)	4282147457 (0xFF3C6281)
YUV	90.1720, 19.1422, -26.4608
Hunter-Lab	33.5425, -4.5997, -16.0440

Details

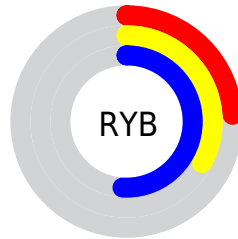
The CIELCh color **40, 21.821, 259.337** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 26.702, 63.881**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 21.686, 258.588**, and **20, 21.843, 259.824** is the 20% darker color. If you saturate the color by 10%, you get **38, 25.477, 262.345**, and if you desaturate by 10%, it is **42, 18.018, 256.797**.

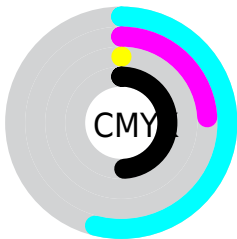
Distribution



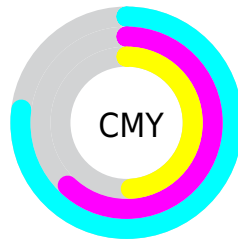
- Red (24%)
- Green (38%)
- Blue (51%)



- Red (24%)
- Yellow (33%)
- Blue (51%)



- Cyan (54%)
- Magenta (24%)
- Yellow (0%)
- Black (49%)





- Cyan (77%)
- Magenta (62%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.821, 259.337 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, 21.821, 259.337 by changing the saturation by 10% instead.


 40, 21.821,
259.337


 40, 21.821,
259.337


 100, 21.821,
259.337


 30, 21.821,
259.337

 60, 21.821,
259.337


 20, 21.821,
259.337

 70, 21.821,
259.337

 10, 21.821,
259.337

 80, 21.821,
259.337

 0, 21.821, 259.337

 90, 21.821,
259.337

 40, 21.821,

 40, 21.821,

259.337

■ 38, 25.477,
262.345

■ 35, 29.007,
265.856

■ 33, 32.457,
269.864

■ 31, 35.900,
274.281

■ 30, 38.208,
277.012

259.337

■ 42, 18.018,
256.797

■ 45, 14.071,
254.669

■ 48, 9.994, 252.893

■ 50, 5.807, 251.420

■ 53, 1.534, 250.305

■ 56, 2.804, 68.946

■ 58, 7.185, 68.108

■ 61, 11.593, 67.350

■ 64, 16.013, 66.690

Harmonies

Complementary

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



40, 21.821, 259.337



42, 26.702, 63.881

Rectangle

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



40, 21.821, 259.337



40, 21.821, 309.337



40, 21.821, 79.337



40, 21.821, 129.337

Sweetspot

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



40, 21.820, 259.337



64, 8.512, 251.809



49, 34.706, 154.918



32, 5.711, 252.050



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, 21.820, 259.337



49, 31.815, 262.995



30, 41.047, 295.312



25, 2.406, 250.859



29, 37.878, 276.956



0, 0.000, 0.000

Inverse Universe

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



36, 35.576, 346.185



43, 51.242, 347.954



51, 36.158, 102.095



25, 3.720, 341.657



27, 51.545, 356.011



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 40, 21.821, 259.337 looks on a white background.

Color Contrast Check

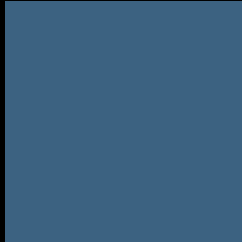
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.821, 259.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

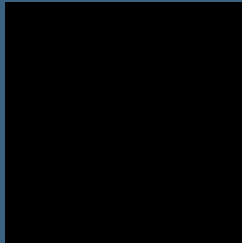
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

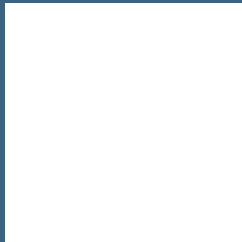
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 21.821, 259.337

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.821, 259.337.



This preview shows how white text looks on a background with the CIELCh color 40, 21.821, 259.337.

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, 21.821, 259.337

Protanopia

40, 19.630, 284.766

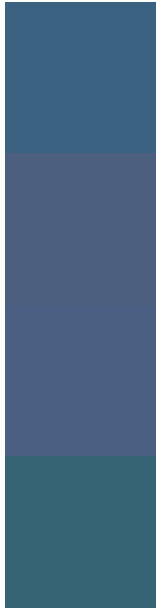
Deuteranopia

40, 22.734, 283.971



Tritanopia
40, 16.942, 216.693

Trichromacy



Original Color
40, 21.821, 259.337

Protanomaly
40, 19.720, 273.648

Deuteranomaly
40, 22.140, 274.852

Tritanomaly
40, 17.673, 234.224

Monochromacy



Original Color
40, 21.821, 259.337

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 8.500, 251.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.821, 259.337 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(60, 98, 129)` looks like.

```
.text, #text, p{  
    color:rgb(60, 98, 129)  
}
```

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(60, 98, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 98, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.821, 259.337 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(60, 98, 129) }
```

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

```
.border{ border-color:rgb(60, 98, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 98, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(60, 98, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(60, 98, 129); box-shadow:4px 4px 4px 4px rgb(60, 98, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.821, 259.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 98, 129) }
```

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

```
.background{ background-color: rgb(60, 98,  
129) }
```

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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