

Converting Colors

CIELCh(42, 33.301, 259.497)

Have a look what the booklet for
CIELCh(42, 33.301, 259.497)
contains.

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Color

CIELCh(42, 33.348, 259.598)

Conversions

Conversions Part 1

Format	Color
Hex	146999
RGB	20, 105, 153
RGB Percent	8%, 41%, 60%
CMY	0.9233, 0.5890, 0.4008
CMYK	0.87, 0.31, 0.00, 0.40
HSL	202°, 77%, 34%
HSV	202°, 87%, 60%
XYZ	11.0430, 12.5000, 31.8760
YIQ	85.0570, -66.0680, -3.0920

Conversions

Conversions Part 2

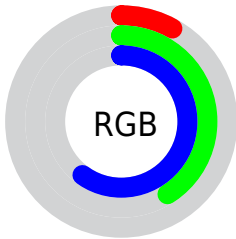
Format	Color
R _Y B	20, 72, 153
Decimal	1337753
CIE Lab	42.00, -6.02, -32.80
CIE LCh	42, 33.348, 259.598
Yxy	12.5000, 0.1993, 0.2256
Android (android.graphics.Color)	4279527833 (0xFF146999)
YUV	85.0570, 33.4959, -57.0550
Hunter-Lab	35.3553, -6.1188, -28.7065

Details

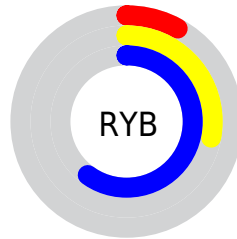
The CIELCh color **42, 33.348, 259.598** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 54.452, 52.620**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 33.527, 259.826**, and **24, 30.557, 273.440** is the 20% darker color. If you saturate the color by 10%, you get **40, 36.013, 264.353**, and if you desaturate by 10%, it is **44, 30.578, 255.303**.

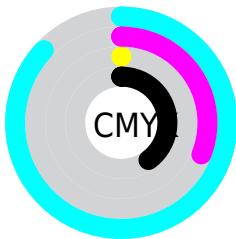
Distribution



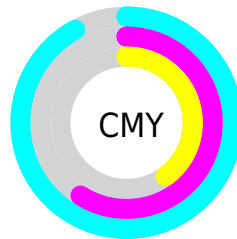
- Red (8%)
- Green (41%)
- Blue (60%)



- Red (8%)
- Yellow (28%)
- Blue (60%)



- Cyan (87%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)





- Cyan (92%)
- Magenta (59%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.348, 259.598 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 42, 33.348, 259.598 by changing the saturation by 10% instead.


 42, 33.348,
259.598


 42, 33.348,
259.598


 100, 33.348,
259.598


 32, 33.348,
259.598

 62, 33.348,
259.598


 22, 33.348,
259.598

 72, 33.348,
259.598

 12, 33.348,
259.598

 82, 33.348,
259.598

 2, 33.348, 259.598

 92, 33.348,
259.598

 0, 33.348, 259.598

 42, 33.348,

 42, 33.348,

259.598

■ 40, 36.013,
264.353

■ 40, 36.788,
265.631

259.598

■ 44, 30.578,
255.303

■ 46, 27.574,
251.615

■ 48, 24.273,
248.527

■ 51, 20.652,
245.982

■ 53, 16.723,
243.906

■ 56, 12.517,
242.220

■ 59, 8.075, 240.861

■ 61, 3.441, 239.805

Harmonies

Complementary

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



42, 33.348, 259.598



39, 54.452, 52.620

Rectangle

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



42, 33.348, 259.598



42, 33.348, 309.598



42, 33.348, 79.598



42, 33.348, 129.598

Sweetspot

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



42, 33.347, 259.599



72, 14.852, 242.117



55, 63.449, 145.599



36, 9.973, 242.602



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



42, 33.347, 259.599



51, 45.326, 266.746



23, 73.018, 300.637



31, 2.692, 239.989



36, 34.386, 265.206



2, 2.960, 240.350

Inverse Universe

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



35, 59.379, 346.328



44, 73.834, 349.701



56, 56.846, 93.648



30, 4.612, 337.437



30, 57.355, 348.915



1, 4.906, 337.296

Previews

White Background



This preview shows how the CIE LCh color 42, 33.348, 259.598 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 42, 33.348, 259.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

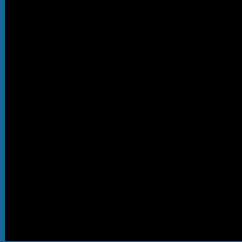
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 33.348, 259.598

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.348, 259.598.



This preview shows how white text looks on a background with the CIELCh color 42, 33.348, 259.598.

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

42, 33.348, 259.598

Protanopia

42, 29.796, 285.136

Deuteranopia

42, 33.851, 279.864



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 33.348, 259.598

Protanomaly
42, 30.649, 271.691

Deuteranomaly
42, 33.855, 271.418

Tritanomaly
42, 26.214, 229.660

Monochromacy



Original Color
42, 33.348, 259.598

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 15.125, 246.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.348, 259.598 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(20, 105, 153)` looks like.

```
.text, #text, p{  
    color:rgb(20, 105, 153)  
}
```

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(20, 105, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 105, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.348, 259.598 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(20, 105, 153) }
```

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

```
.border{ border-color:rgb(20, 105, 153) }
```

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

Here you see how a box with a 4 pixel rgb(20, 105, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 105, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 105, 153);  
box-shadow:4px 4px 4px 4px rgb(20, 105,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.348, 259.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 105, 153) }
```

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

```
.background{ background-color: rgb(20, 105,  
153) }
```

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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