

Converting Colors

CIELCh(42, 36.799, 273.060)

Have a look what the booklet for
CIELCh(42, 36.799, 273.060)
contains.

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Color

CIELCh(42, 37.238, 273.626)

Conversions

Conversions Part 1

Format	Color
Hex	2F65A0
RGB	47, 101, 160
RGB Percent	18%, 40%, 63%
CMY	0.8146, 0.6032, 0.3717
CMYK	0.70, 0.37, 0.00, 0.37
HSL	211°, 54%, 41%
HSV	211°, 70%, 63%
XYZ	12.2198, 12.5000, 35.1225
YIQ	91.5800, -51.1230, 6.9010

Conversions

Conversions Part 2

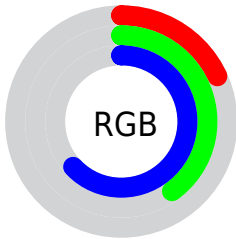
Format	Color
R_{YB}	47, 84, 160
Decimal	3106208
CIE _{Lab}	42.00, 2.36, -37.16
CIE _{LCh}	42, 37.238, 273.626
Yxy	12.5000, 0.2042, 0.2089
Android (android.graphics.Color)	4281296288 (0xFF2F65A0)
YUV	91.5800, 33.7311, -39.0967
Hunter-Lab	35.3553, -0.1772, -34.1508

Details

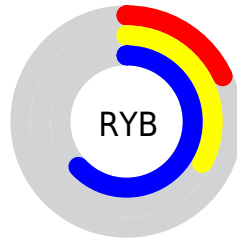
The CIELCh color **42, 37.238, 273.626** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 43.788, 68.693**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 37.000, 273.092**, and **23, 35.914, 280.667** is the 20% darker color. If you saturate the color by 10%, you get **39, 42.388, 277.489**, and if you desaturate by 10%, it is **45, 32.109, 270.202**.

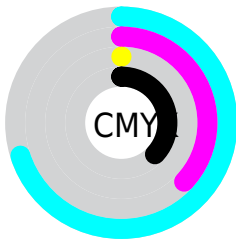
Distribution



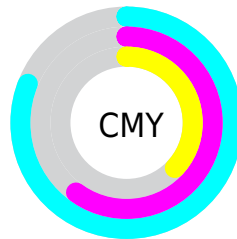
- Red (18%)
- Green (40%)
- Blue (63%)



- Red (18%)
- Yellow (33%)
- Blue (63%)



- Cyan (70%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)





- Cyan (81%)
- Magenta (60%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.238, 273.626 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, 37.238, 273.626 by changing the saturation by 10% instead.


 42, 37.238,
273.626


 42, 37.238,
273.626


 100, 37.238,
273.626


 32, 37.238,
273.626

 62, 37.238,
273.626


 22, 37.238,
273.626

 72, 37.238,
273.626

 12, 37.238,
273.626

 82, 37.238,
273.626

 2, 37.238, 273.626

 92, 37.238,
273.626

 0, 37.238, 273.626

 42, 37.238,

 42, 37.238,

273.626

■ 39, 42.388,
277.489

■ 36, 47.629,
281.695

■ 34, 52.773,
285.693

273.626

■ 45, 32.109,
270.202

■ 48, 26.951,
267.236

■ 52, 21.733,
264.704

■ 55, 16.447,
262.561

■ 59, 11.100,
260.754

■ 62, 5.704, 259.241

■ 66, 0.277, 258.953

■ 69, 5.164, 76.703

■ 73, 10.604, 75.768

Harmonies

Complementary

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



42, 37.238, 273.626



50, 43.788, 68.693

Rectangle

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



42, 37.238, 273.626



42, 37.238, 323.626



42, 37.238, 93.626



42, 37.238, 143.626

Sweetspot

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



42, 37.237, 273.627



75, 14.121, 260.905



59, 48.511, 156.206



38, 9.529, 261.347



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



42, 37.237, 273.627



49, 55.561, 280.037



27, 71.428, 301.886



32, 3.041, 259.071



30, 48.030, 285.222



2, 4.072, 260.355

Inverse Universe

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



39, 51.169, 354.109



47, 69.900, 358.607



64, 57.404, 104.834



31, 4.236, 345.605



30, 54.942, 3.139



1, 5.389, 346.269

Previews

White Background



This preview shows how the CIE LCh color 42, 37.238, 273.626 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, 37.238, 273.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

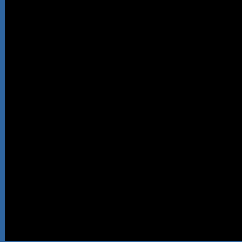
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 37.238, 273.626

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.238, 273.626.



This preview shows how white text looks on a background with the CIELCh color 42, 37.238, 273.626.

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, 37.238, 273.626

Protanopia

42, 35.852, 285.178

Deuteranopia

42, 38.178, 279.787



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 37.238, 273.626

Protanomaly
42, 36.258, 280.303

Deuteranomaly
42, 37.859, 277.435

Tritanomaly
42, 26.347, 236.242

Monochromacy



Original Color
42, 37.238, 273.626

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 14.815, 264.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.238, 273.626 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(47, 101, 160)` looks like.

```
.text, #text, p{  
    color:rgb(47, 101, 160)  
}
```

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(47, 101, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 101, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.238, 273.626 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(47, 101, 160) }
```

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

```
.border{ border-color:rgb(47, 101, 160) }
```

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

Here you see how a box with a 4 pixel rgb(47, 101, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 101, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 101, 160);  
box-shadow:4px 4px 4px 4px rgb(47, 101,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.238, 273.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 101, 160) }
```

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

```
.background{ background-color: rgb(47, 101,  
160) }
```

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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