

Converting Colors

CIELCh(42, 43.329, 275.513)

Have a look what the booklet for
CIELCh(42, 43.329, 275.513)
contains.

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Color

CIELCh(42, 43.175, 275.435)

Conversions

Conversions Part 1

Format	Color
Hex	1F65AA
RGB	31, 101, 170
RGB Percent	12%, 40%, 67%
CMY	0.8784, 0.6039, 0.3333
CMYK	0.82, 0.41, 0.00, 0.33
HSL	210°, 69%, 39%
HSV	210°, 82%, 67%
XYZ	12.4735, 12.5000, 39.7836
YIQ	87.9360, -63.8690, 6.6190

Conversions

Conversions Part 2

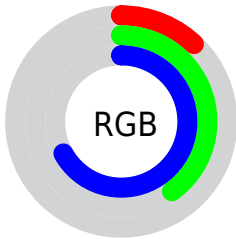
Format	Color
R_{YB}	31, 78, 170
Decimal	2057642
CIE _{Lab}	42.00, 4.09, -42.98
CIE _{LCh}	42, 43.175, 275.435
Yxy	12.5000, 0.1926, 0.1930
Android (android.graphics.Color)	4280247722 (0xFF1F65AA)
YUV	87.9360, 40.4576, -49.9329
Hunter-Lab	35.3553, 1.1036, -41.9674

Details

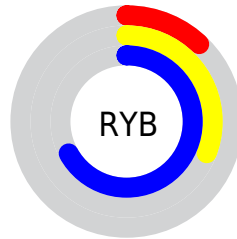
The CIELCh color **42, 43.175, 275.435** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 53.463, 64.468**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 43.512, 275.885**, and **24, 41.363, 284.953** is the 20% darker color. If you saturate the color by 10%, you get **39, 48.267, 279.813**, and if you desaturate by 10%, it is **45, 38.153, 271.420**.

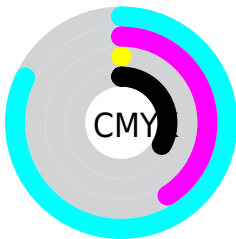
Distribution



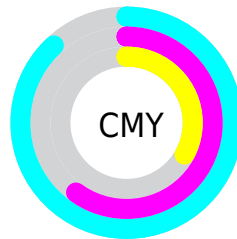
- Red (12%)
- Green (40%)
- Blue (67%)



- Red (12%)
- Yellow (31%)
- Blue (67%)



- Cyan (82%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)





- Cyan (88%)
- Magenta (60%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 43.175, 275.435 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, 43.175, 275.435 by changing the saturation by 10% instead.


 42, 43.175,
275.435


 42, 43.175,
275.435


 100, 43.175,
275.435


 32, 43.175,
275.435

 62, 43.175,
275.435


 22, 43.175,
275.435

 72, 43.175,
275.435

 12, 43.175,
275.435

 82, 43.175,
275.435

 2, 43.175, 275.435

 92, 43.175,
275.435

 0, 43.175, 275.435

 42, 43.175,

 42, 43.175,

275.435

■ 39, 48.267,
279.813

■ 37, 52.598,
283.413

275.435

■ 45, 38.153,
271.420

■ 48, 33.121,
267.865

■ 51, 28.016,
264.796

■ 55, 22.807,
262.189

■ 58, 17.486,
259.991

■ 62, 12.064,
258.147

■ 65, 6.558, 256.609

■ 69, 0.992, 255.570

Harmonies

Complementary

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



42, 43.175, 275.435



49, 53.463, 64.468

Rectangle

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



42, 43.175, 275.435



42, 43.175, 325.435



42, 43.175, 95.435



42, 43.175, 145.435

Sweetspot

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



42, 43.174, 275.436



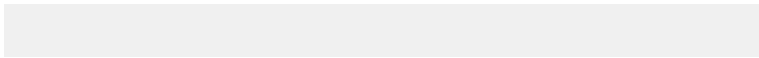
77, 17.168, 258.790



62, 58.584, 152.330



40, 11.779, 259.423



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 43.174, 275.436



49, 63.984, 283.428



25, 85.543, 303.587



34, 3.134, 256.274



32, 46.953, 282.849



2, 6.086, 262.275

Inverse Universe

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



39, 59.058, 355.140



48, 76.032, 1.410



67, 65.452, 102.458



33, 4.541, 344.171



31, 56.583, 0.849



2, 7.816, 347.399

Previews

White Background



This preview shows how the CIE LCh color 42, 43.175, 275.435 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 CIELCh color 42, 43.175, 275.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

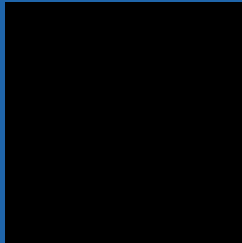
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 43.175, 275.435

Background



This preview shows how black text looks on a background with the CIELCh color 42, 43.175, 275.435.



This preview shows how white text looks on a background with the CIELCh color 42, 43.175, 275.435.

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, 43.175, 275.435

Protanopia

42, 42.452, 286.410

Deuteranopia

42, 43.327, 278.156



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 43.175, 275.435

Protanomaly
42, 42.322, 281.360

Deuteranomaly
42, 43.465, 277.438

Tritanomaly
42, 27.432, 239.454

Monochromacy



Original Color
42, 43.175, 275.435

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.387, 261.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 43.175, 275.435 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(31, 101, 170)` looks like.

```
.text, #text, p{  
    color:rgb(31, 101, 170)  
}
```

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(31, 101, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 101, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 43.175, 275.435 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(31, 101, 170) }
```

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

```
.border{ border-color:rgb(31, 101, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 101, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 101, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 101, 170);  
box-shadow:4px 4px 4px 4px rgb(31, 101,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 43.175, 275.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 101, 170) }
```

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

```
.background{ background-color: rgb(31, 101,  
170) }
```

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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