

Converting Colors

CIELCh(42, 45.955, 275.020)

Have a look what the booklet for
CIELCh(42, 45.955, 275.020)
contains.

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Color

CIELCh(42, 46.319, 275.443)

Conversions

Conversions Part 1

Format	Color
Hex	0665AF
RGB	6, 101, 175
RGB Percent	2%, 40%, 69%
CMY	0.9761, 0.6030, 0.3126
CMYK	0.97, 0.42, 0.00, 0.31
HSL	206°, 93%, 36%
HSV	206°, 97%, 69%
XYZ	12.5183, 12.5000, 42.4533
YIQ	81.0310, -80.3740, 2.8740

Conversions

Conversions Part 2

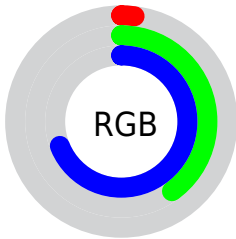
Format	Color
RYB	6, 67, 175
Decimal	419247
CIELab	42.00, 4.39, -46.11
CIELCh	42, 46.319, 275.443
Yxy	12.5000, 0.1855, 0.1853
Android (android.graphics.Color)	4278609327 (0xFF0665AF)
YUV	81.0310, 46.3267, -65.8022
Hunter-Lab	35.3553, 1.3301, -46.4443

Details

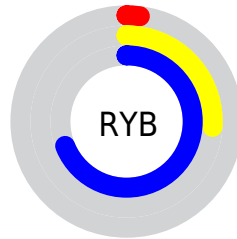
The CIELCh color **42, 46.319, 275.443** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 64.257, 56.531**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 46.445, 275.798**, and **24, 44.409, 286.872** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.854, 277.021**, and if you desaturate by 10%, it is **45, 42.050, 270.715**.

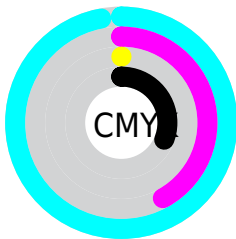
Distribution



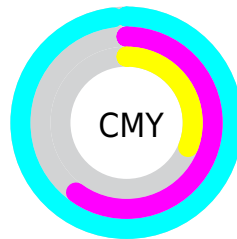
- Red (2%)
- Green (40%)
- Blue (69%)



- Red (2%)
- Yellow (26%)
- Blue (69%)



- Cyan (97%)
- Magenta (42%)
- Yellow (0%)
- Black (31%)





- Cyan (98%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 46.319, 275.443 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, 46.319, 275.443 by changing the saturation by 10% instead.


 42, 46.319,
275.443


 42, 46.319,
275.443


 100, 46.319,
275.443

 32, 46.319,
275.443

 62, 46.319,
275.443

 22, 46.319,
275.443

 72, 46.319,
275.443

 12, 46.319,
275.443

 82, 46.319,
275.443

 2, 46.319, 275.443

 92, 46.319,
275.443

 0, 46.319, 275.443

 42, 46.319,

 42, 46.319,

275.443

■ 41, 47.854,
277.021

275.443

■ 45, 42.050,
270.715

■ 47, 37.814,
266.342

■ 50, 33.492,
262.478

■ 53, 29.004,
259.161

■ 56, 24.309,
256.365

■ 59, 19.399,
254.034

■ 63, 14.291,
252.102

■ 66, 9.013, 250.506

Harmonies

Complementary

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



42, 46.319, 275.443



46, 64.257, 56.531

Rectangle

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



42, 46.319, 275.443



42, 46.319, 325.443



42, 46.319, 95.443



42, 46.319, 145.443

Sweetspot

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



42, 46.319, 275.444



78, 19.198, 252.638



63, 70.095, 146.841



40, 13.200, 253.447



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 46.319, 275.444



53, 58.943, 277.925



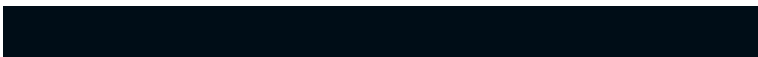
22, 95.996, 305.035



35, 3.084, 249.544



35, 42.305, 276.371



3, 7.017, 258.872

Inverse Universe

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



38, 64.689, 354.962



49, 78.690, 356.734



66, 69.055, 98.638



34, 4.845, 341.111



32, 58.229, 355.587



2, 9.493, 345.441

Previews

White Background



This preview shows how the CIE LCh color 42, 46.319, 275.443 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, 46.319, 275.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

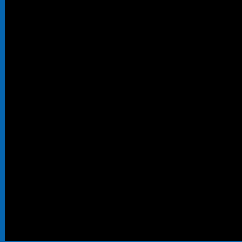
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 46.319, 275.443

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.319, 275.443.



This preview shows how white text looks on a background with the CIELCh color 42, 46.319, 275.443.

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, 46.306, 275.496

Protanopia

42, 45.454, 286.498

Deuteranopia

42, 47.021, 278.313



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 46.306, 275.496

Protanomaly
42, 46.084, 280.883

Deuteranomaly
42, 47.186, 277.529

Tritanomaly
42, 28.082, 239.935

Monochromacy



Original Color
42, 46.306, 275.496

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 19.582, 258.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.319, 275.443 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(6, 101, 175)` looks like.

```
.text, #text, p{  
    color:rgb(6, 101, 175)  
}
```

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(6, 101, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 101, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.319, 275.443 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(6, 101, 175) }
```

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

```
.border{ border-color:rgb(6, 101, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 101, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 101, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 101, 175);  
box-shadow:4px 4px 4px 4px rgb(6, 101,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.319, 275.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 101, 175) }
```

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

```
.background{ background-color: rgb(6, 101,  
175) }
```

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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