

Converting Colors

CIELCh(42, 46.346, 285.967)

Have a look what the booklet for
CIELCh(42, 46.346, 285.967)
contains.

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Color

CIELCh(42, 46.690, 286.222)

Conversions

Conversions Part 1

Format	Color
Hex	3F60AD
RGB	63, 96, 173
RGB Percent	25%, 38%, 68%
CMY	0.7518, 0.6226, 0.3206
CMYK	0.63, 0.44, 0.00, 0.32
HSL	222°, 46%, 46%
HSV	222°, 63%, 68%
XYZ	13.8392, 12.5000, 41.3481
YIQ	94.9110, -44.3850, 16.9510

Conversions

Conversions Part 2

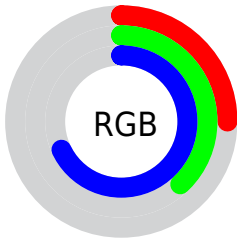
Format	Color
R _Y B	63, 88, 173
Decimal	4153517
CIE Lab	42.00, 13.04, -44.83
CIE LCh	42, 46.690, 286.222
Yxy	12.5000, 0.2045, 0.1847
Android (android.graphics.Color)	4282343597 (0xFF3F60AD)
YUV	94.9110, 38.4979, -27.9859
Hunter-Lab	35.3553, 7.9986, -44.5910

Details

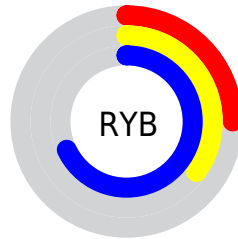
The CIELCh color `42, 46.690, 286.222` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `60, 44.978, 85.426`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 46.758, 286.385`, and `23, 45.962, 288.918` is the 20% darker color. If you saturate the color by 10%, you get `38, 54.759, 289.348`, and if you desaturate by 10%, it is `46, 38.853, 283.424`.

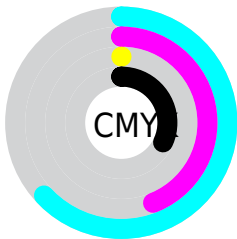
Distribution



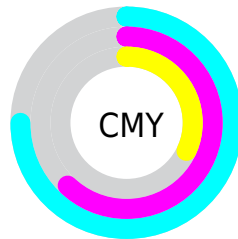
- Red (25%)
- Green (38%)
- Blue (68%)



- Red (25%)
- Yellow (35%)
- Blue (68%)



- Cyan (63%)
- Magenta (44%)
- Yellow (0%)
- Black (32%)



- Cyan (75%)
- Magenta (62%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 46.690, 286.222 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, 46.690, 286.222 by changing the saturation by 10% instead.

 42, 46.690,
286.222

 42, 46.690,
286.222


 100, 46.690,
286.222

 32, 46.690,
286.222

 62, 46.690,
286.222

 22, 46.690,
286.222

 72, 46.690,
286.222

 12, 46.690,
286.222

 82, 46.690,
286.222

 2, 46.690, 286.222

 92, 46.690,
286.222

 0, 46.690, 286.222

 42, 46.690,

 42, 46.690,

286.222

286.222

■ 38, 54.759,
289.348

■ 46, 38.853,
283.424

■ 34, 63.035,
292.711

■ 51, 31.229,
280.977

■ 30, 71.373,
296.142

■ 55, 23.792,
278.865

■ 28, 76.730,
298.217

■ 60, 16.516,
277.055

■ 65, 9.389, 275.510

■ 69, 2.401, 274.235

■ 74, 4.454, 92.956

■ 78, 11.176, 91.982

■ 83, 17.769, 91.114

Harmonies

Complementary

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



42, 46.690, 286.222



60, 44.978, 85.426

Rectangle

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



42, 46.690, 286.222



42, 46.690, 336.222



42, 46.690, 106.222



42, 46.690, 156.222

Sweetspot

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



42, 46.690, 286.223



79, 16.436, 276.386



64, 39.999, 168.725



40, 11.328, 276.829



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, 46.690, 286.223



47, 70.268, 290.623



35, 67.626, 304.336



34, 3.935, 274.939



24, 68.354, 297.820



2, 8.760, 277.614

Inverse Universe

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



43, 47.956, 5.752



51, 68.306, 10.229



67, 57.171, 114.071



34, 4.119, 356.804



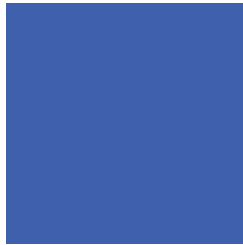
31, 58.863, 20.149



2, 8.314, 359.933

Previews

White Background



This preview shows how the CIE LCh color 42, 46.690, 286.222 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, 46.690, 286.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

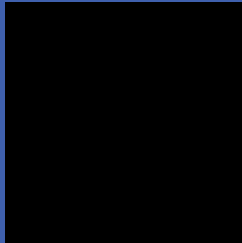
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 46.690, 286.222

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.690, 286.222.



This preview shows how white text looks on a background with the CIELCh color 42, 46.690, 286.222.

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, 46.690, 286.222

Protanopia

42, 46.661, 286.471

Deuteranopia

42, 44.582, 278.090



Tritanopia
42, 22.762, 210.991

Trichromacy



Original Color
42, 46.690, 286.222

Protanomaly
42, 46.661, 286.471

Deuteranomaly
42, 44.855, 280.407

Tritanomaly
42, 25.730, 251.954

Monochromacy



Original Color
42, 46.690, 286.222

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 17.425, 278.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.690, 286.222 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(63, 96, 173)` looks like.

```
.text, #text, p{  
    color:rgb(63, 96, 173)  
}
```

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(63, 96, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 96, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.690, 286.222 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(63, 96, 173) }
```

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

```
.border{ border-color:rgb(63, 96, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 96, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 96, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 96, 173);  
box-shadow:4px 4px 4px 4px rgb(63, 96,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.690, 286.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 96, 173) }
```

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

```
.background{ background-color: rgb(63, 96,  
173) }
```

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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