

Converting Colors

CIELCh(42, 52.370, 284.974)

Have a look what the booklet for
CIELCh(42, 52.370, 284.974)
contains.

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Color

CIELCh(42, 52.218, 284.878)

Conversions

Conversions Part 1

Format	Color
Hex	2E61B7
RGB	46, 97, 183
RGB Percent	18%, 38%, 72%
CMY	0.8207, 0.6203, 0.2832
CMYK	0.75, 0.47, 0.00, 0.28
HSL	218°, 60%, 45%
HSV	218°, 75%, 72%
XYZ	13.8967, 12.5000, 46.3657
YIQ	91.5550, -58.0020, 15.9340

Conversions

Conversions Part 2

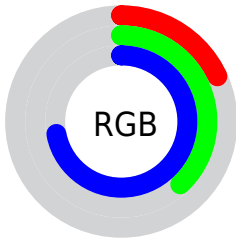
Format	Color
R_{YB}	46, 83, 183
Decimal	3039671
CIE _{Lab}	42.00, 13.41, -50.47
CIE _{LCh}	42, 52.218, 284.878
Yxy	12.5000, 0.1910, 0.1718
Android (android.graphics.Color)	4281229751 (0xFF2E61B7)
YUV	91.5550, 45.0824, -39.9517
Hunter-Lab	35.3553, 8.2893, -53.0054

Details

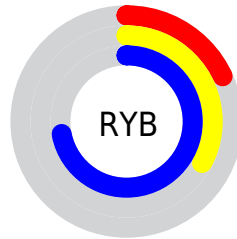
The CIELCh color **42, 52.218, 284.878** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **59, 52.992, 77.350**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 52.483, 284.905**, and **24, 50.767, 290.908** is the 20% darker color. If you saturate the color by 10%, you get **38, 59.741, 288.581**, and if you desaturate by 10%, it is **46, 44.888, 281.467**.

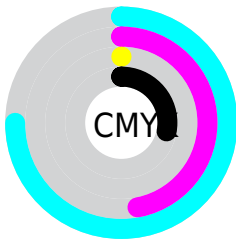
Distribution



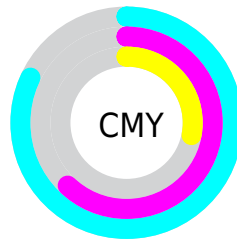
- Red (18%)
- Green (38%)
- Blue (72%)



- Red (18%)
- Yellow (33%)
- Blue (72%)



- Cyan (75%)
- Magenta (47%)
- Yellow (0%)
- Black (28%)





- Cyan (82%)
- Magenta (62%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 52.218, 284.878 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, 52.218, 284.878 by changing the saturation by 10% instead.


 42, 52.218,
284.878


 42, 52.218,
284.878


 100, 52.218,
284.878


 32, 52.218,
284.878


 62, 52.218,
284.878


 22, 52.218,
284.878

 72, 52.218,
284.878

 12, 52.218,
284.878

 82, 52.218,
284.878

 2, 52.218, 284.878

 92, 52.218,
284.878

 0, 52.218, 284.878

 42, 52.218,

 42, 52.218,

284.878

284.878

■ 38, 59.741,
288.581

■ 46, 44.888,
281.467

■ 35, 67.426,
292.408

■ 50, 37.723,
278.429

■ 33, 71.314,
294.208

■ 54, 30.684,
275.784

■ 59, 23.739,
273.510

■ 63, 16.870,
271.569

■ 68, 10.070,
269.917

■ 72, 3.340, 268.544

■ 77, 3.316, 87.168

Harmonies

Complementary

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



42, 52.218, 284.878



59, 52.992, 77.350

Rectangle

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



42, 52.218, 284.878



42, 52.218, 334.878



42, 52.218, 104.878



42, 52.218, 154.878

Sweetspot

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



42, 52.218, 284.879



82, 18.326, 271.109



66, 51.147, 161.049



42, 12.430, 271.581



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 52.218, 284.879



47, 78.671, 291.070



30, 84.158, 304.331



36, 3.809, 269.101



28, 62.465, 293.706



3, 11.439, 275.752

Inverse Universe

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



43, 57.641, 3.525



51, 78.045, 10.080



71, 66.963, 109.691



36, 4.494, 351.913



33, 58.858, 13.506



2, 11.497, 357.880

Previews

White Background



This preview shows how the CIE LCh color 42, 52.218, 284.878 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, 52.218, 284.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

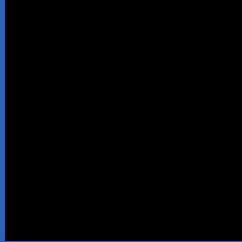
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 52.218, 284.878

Background



This preview shows how black text looks on a background with the CIELCh color 42, 52.218, 284.878.



This preview shows how white text looks on a background with the CIELCh color 42, 52.218, 284.878.

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, 52.218, 284.878

Protanopia

42, 52.043, 286.698

Deuteranopia

42, 47.434, 276.047



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 52.218, 284.878

Protanomaly
42, 52.118, 286.159

Deuteranomaly
42, 49.418, 279.131

Tritanomaly
41, 29.103, 248.892

Monochromacy



Original Color
42, 52.218, 284.878

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 19.693, 274.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 52.218, 284.878 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(46, 97, 183)` looks like.

```
.text, #text, p{  
    color:rgb(46, 97, 183)  
}
```

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(46, 97, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 97, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 52.218, 284.878 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(46, 97, 183) }
```

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

```
.border{ border-color:rgb(46, 97, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 97, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 97, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 97, 183);  
box-shadow:4px 4px 4px 4px rgb(46, 97,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 52.218, 284.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 97, 183) }
```

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

```
.background{ background-color: rgb(46, 97,  
183) }
```

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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