

Converting Colors

CIELCh(42, 38.061, 282.218)

Have a look what the booklet for
CIELCh(42, 38.061, 282.218)
contains.

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Color

CIELCh(42, 37.921, 282.209)

Conversions

Conversions Part 1

Format	Color
Hex	4362A0
RGB	67, 98, 160
RGB Percent	26%, 38%, 63%
CMY	0.7367, 0.6152, 0.3720
CMYK	0.58, 0.39, 0.00, 0.37
HSL	220°, 41%, 45%
HSV	220°, 58%, 63%
XYZ	13.0613, 12.5000, 35.0456
YIQ	95.7990, -38.3780, 12.7100

Conversions

Conversions Part 2

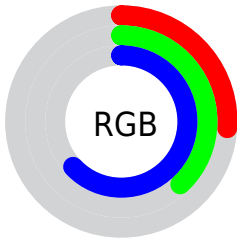
Format	Color
R_{YB}	67, 90, 160
Decimal	4416160
CIE _{Lab}	42.00, 8.02, -37.06
CIE _{LCh}	42, 37.921, 282.209
Yxy	12.5000, 0.2155, 0.2062
Android (android.graphics.Color)	4282606240 (0xFF4362A0)
YUV	95.7990, 31.6511, -25.2567
Hunter-Lab	35.3553, 4.0712, -34.0219

Details

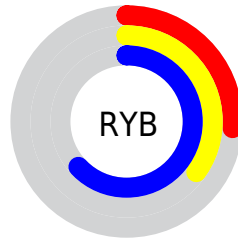
The CIELCh color `42, 37.921, 282.209` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `56, 37.887, 83.509`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 38.042, 282.431`, and `22, 37.892, 283.450` is the 20% darker color. If you saturate the color by 10%, you get `38, 44.912, 285.217`, and if you desaturate by 10%, it is `46, 31.100, 279.565`.

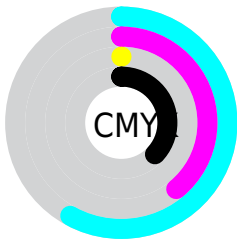
Distribution



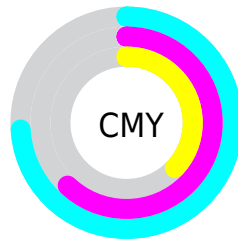
- Red (26%)
- Green (38%)
- Blue (63%)



- Red (26%)
- Yellow (35%)
- Blue (63%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)





- Cyan (74%)
- Magenta (62%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.921, 282.209 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, 37.921, 282.209 by changing the saturation by 10% instead.

 42, 37.921,
282.209


 42, 37.921,
282.209


 100, 37.921,
282.209


 32, 37.921,
282.209

 62, 37.921,
282.209


 22, 37.921,
282.209

 72, 37.921,
282.209

 12, 37.921,
282.209

 82, 37.921,
282.209

 2, 37.921, 282.209

 92, 37.921,
282.209

 0, 37.921, 282.209

 42, 37.921,

 42, 37.921,

282.209

282.209

■ 38, 44.912,
285.217

■ 46, 31.100,
279.565

■ 34, 52.097,
288.545

■ 50, 24.422,
277.275

■ 31, 59.456,
292.086

■ 54, 17.863,
275.309

■ 28, 66.884,
295.594

■ 58, 11.412,
273.628

■ 27, 68.317,
296.208

■ 63, 5.060, 272.202

■ 67, 1.193, 90.742

■ 71, 7.347, 89.804

■ 75, 13.402, 88.874

■ 79, 19.355, 88.053

Harmonies

Complementary

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



42, 37.921, 282.209



56, 37.887, 83.509

Rectangle

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



42, 37.921, 282.209



42, 37.921, 332.209



42, 37.921, 102.209



42, 37.921, 152.209

Sweetspot

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



42, 37.920, 282.210



75, 13.334, 273.513



60, 36.112, 167.240



38, 8.913, 273.801



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, 37.920, 282.210



48, 57.600, 286.276



35, 57.709, 302.778



31, 3.512, 272.355



24, 62.173, 295.839



1, 4.651, 272.492

Inverse Universe

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



42, 41.734, 1.759



50, 60.735, 5.298



63, 49.532, 112.786



31, 3.882, 354.495



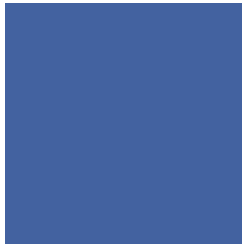
29, 55.850, 16.790



1, 4.948, 354.860

Previews

White Background



This preview shows how the CIELCh color 42, 37.921, 282.209 looks on a white background.

Color Contrast Check

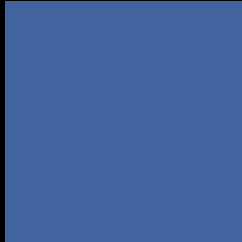
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.921, 282.209 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

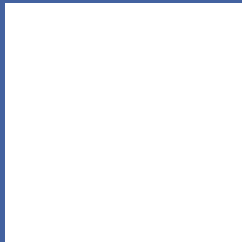
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 37.921, 282.209

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.921, 282.209.



This preview shows how white text looks on a background with the CIELCh color 42, 37.921, 282.209.

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, 37.921, 282.209

Protanopia

42, 37.628, 285.618

Deuteranopia

42, 37.571, 279.713



Tritanopia
42, 19.343, 213.891

Trichromacy



Original Color
42, 37.921, 282.209

Protanomaly
42, 37.737, 284.469

Deuteranomaly
42, 37.478, 280.376

Tritanomaly
42, 21.852, 249.625

Monochromacy



Original Color
42, 37.921, 282.209

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 13.826, 275.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.921, 282.209 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(67, 98, 160)` looks like.

```
.text, #text, p{  
    color:rgb(67, 98, 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(67, 98, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 98, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.921, 282.209 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(67, 98, 160) }
```

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

```
.border{ border-color:rgb(67, 98, 160) }
```

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

Here you see how a box with a 4 pixel rgb(67, 98, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 98, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 98, 160);  
box-shadow:4px 4px 4px 4px rgb(67, 98,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.921, 282.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 98, 160) }
```

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

```
.background{ background-color: rgb(67, 98,  
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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