

Converting Colors

CIELCh(42, 50.284, 289.128)

Have a look what the booklet for
CIELCh(42, 50.284, 289.128)
contains.

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Color

CIELCh(42, 50.075, 288.877)

Conversions

Conversions Part 1

Format	Color
Hex	435FB2
RGB	67, 95, 178
RGB Percent	26%, 37%, 70%
CMY	0.7389, 0.6288, 0.3035
CMYK	0.63, 0.47, 0.00, 0.30
HSL	225°, 45%, 48%
HSV	225°, 63%, 70%
XYZ	14.3436, 12.5000, 43.5714
YIQ	96.0900, -43.3310, 19.8770

Conversions

Conversions Part 2

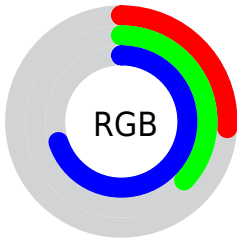
Format	Color
R _{YB}	67, 89, 178
Decimal	4415410
CIE Lab	42.00, 16.20, -47.38
CIE LCh	42, 50.075, 288.877
Yxy	12.5000, 0.2037, 0.1775
Android (android.graphics.Color)	4282605490 (0xFF435FB2)
YUV	96.0900, 40.3816, -25.5119
Hunter-Lab	35.3553, 10.5453, -48.3193

Details

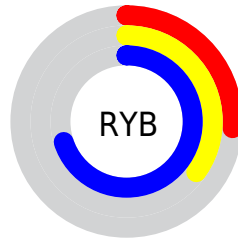
The CIELCh color `42, 50.075, 288.877` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `63, 46.633, 89.160`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 49.944, 288.929`, and `23, 49.737, 290.997` is the 20% darker color. If you saturate the color by 10%, you get `37, 58.976, 291.853`, and if you desaturate by 10%, it is `47, 41.443, 286.204`.

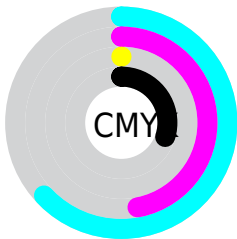
Distribution



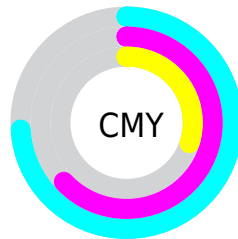
- Red (26%)
- Green (37%)
- Blue (70%)



- Red (26%)
- Yellow (35%)
- Blue (70%)



- Cyan (63%)
- Magenta (47%)
- Yellow (0%)
- Black (30%)



- Cyan (74%)
- Magenta (63%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 50.075, 288.877 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, 50.075, 288.877 by changing the saturation by 10% instead.

■ 42, 50.075,
288.877

■ 42, 50.075,
288.877

■ 100, 50.075,
288.877

■ 32, 50.075,
288.877

■ 62, 50.075,
288.877

■ 22, 50.075,
288.877

■ 72, 50.075,
288.877

■ 12, 50.075,
288.877

■ 82, 50.075,
288.877

■ 2, 50.075, 288.877

■ 92, 50.075,
288.877

■ 0, 50.075, 288.877

■ 42, 50.075,

■ 42, 50.075,

288.877

288.877

■ 37, 58.976,
291.853

■ 47, 41.443,
286.204

■ 33, 68.067,
295.029

■ 52, 33.082,
283.861

■ 29, 77.091,
298.223

■ 56, 24.967,
281.838

■ 27, 83.536,
300.397

■ 61, 17.072,
280.104

■ 66, 9.378, 278.623

■ 71, 1.870, 277.417

■ 76, 5.461, 96.189

■ 81, 12.623, 95.249

■ 86, 19.622, 94.418

Harmonies

Complementary

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



42, 50.075, 288.877



63, 46.633, 89.160

Rectangle

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



42, 50.075, 288.877



42, 50.075, 338.877



42, 50.075, 108.877



42, 50.075, 158.877

Sweetspot

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



42, 50.075, 288.878



80, 17.833, 279.606



66, 39.115, 171.350



41, 12.416, 280.048



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 50.075, 288.878



47, 76.231, 293.042



37, 67.866, 305.028



35, 4.245, 278.200



23, 73.983, 300.031



2, 10.840, 280.683

Inverse Universe

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



45, 48.135, 9.129



53, 69.850, 13.715



69, 57.906, 115.620



35, 4.129, 0.114



32, 61.030, 24.308



2, 9.552, 3.603

Previews

White Background



This preview shows how the CIE LCh color 42, 50.075, 288.877 looks on a white background.

Color Contrast Check

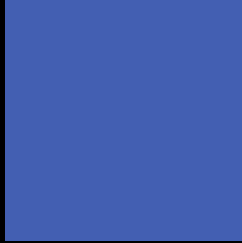
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.075, 288.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

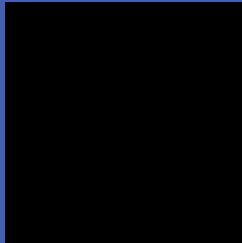
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 50.075, 288.877

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.075, 288.877.



This preview shows how white text looks on a background with the CIELCh color 42, 50.075, 288.877.

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, 50.075, 288.877

Protanopia

42, 50.258, 286.567

Deuteranopia

42, 47.108, 277.893



Tritanopia
42, 22.453, 209.588

Trichromacy



Original Color
42, 50.075, 288.877

Protanomaly
42, 49.607, 286.966

Deuteranomaly
42, 48.444, 281.433

Tritanomaly
42, 25.916, 253.732

Monochromacy



Original Color
42, 50.075, 288.877

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 18.496, 280.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.075, 288.877 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, 95, 178)` looks like.

```
.text, #text, p{  
    color:rgb(67, 95, 178)  
}
```

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, 95, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 95, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.075, 288.877 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, 95, 178) }
```

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

```
.border{ border-color:rgb(67, 95, 178) }
```

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

Here you see how a box with a 4 pixel rgb(67, 95, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 95, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 95, 178);  
box-shadow:4px 4px 4px 4px rgb(67, 95,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.075, 288.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 95, 178) }
```

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

```
.background{ background-color: rgb(67, 95,  
178) }
```

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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