

Converting Colors

CIELCh(50, 41.478, 275.501)

Have a look what the booklet for
CIELCh(50, 41.478, 275.501)
contains.

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Color

CIELCh(50, 41.256, 275.034)

Conversions

Conversions Part 1

Format	Color
Hex	4279BD
RGB	66, 121, 189
RGB Percent	26%, 47%, 74%
CMY	0.7425, 0.5265, 0.2600
CMYK	0.65, 0.36, 0.00, 0.26
HSL	213°, 48%, 50%
HSV	213°, 65%, 74%
XYZ	18.1832, 18.4187, 50.5755
YIQ	112.3070, -54.6080, 9.4880

Conversions

Conversions Part 2

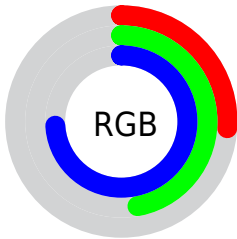
Format	Color
R _Y B	66, 104, 189
Decimal	4356541
CIE Lab	50.00, 3.62, -41.10
CIE LCh	50, 41.256, 275.034
Yxy	18.4187, 0.2086, 0.2113
Android (android.graphics.Color)	4282546621 (0xFF4279BD)
YUV	112.3070, 37.8096, -40.6112
Hunter-Lab	42.9170, 0.5229, -39.8284

Details

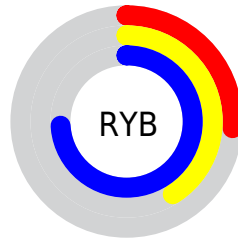
The CIELCh color **50, 41.256, 275.034** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **60, 46.368, 72.143**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 41.444, 275.062**, and **31, 40.479, 278.427** is the 20% darker color. If you saturate the color by 10%, you get **46, 47.588, 278.682**, and if you desaturate by 10%, it is **54, 34.974, 271.825**.

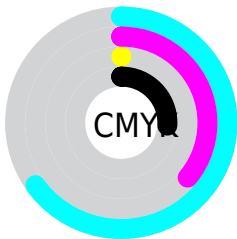
Distribution



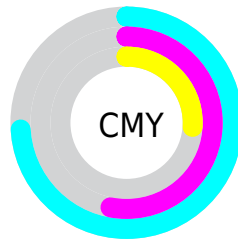
- Red (26%)
- Green (47%)
- Blue (74%)



- Red (26%)
- Yellow (41%)
- Blue (74%)



- Cyan (65%)
- Magenta (36%)
- Yellow (0%)
- Black (26%)



- Cyan (74%)
- Magenta (53%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 41.256, 275.034 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 50, 41.256, 275.034 by changing the saturation by 10% instead.

■ 50, 41.256,
275.034

■ 50, 41.256,
275.034

■ 100, 41.256,
275.034

■ 40, 41.256,
275.034

■ 70, 41.256,
275.034

■ 30, 41.256,
275.034

■ 80, 41.256,
275.034

■ 20, 41.256,
275.034

■ 90, 41.256,
275.034

■ 10, 41.256,
275.034

■ 0, 41.256, 275.034

■ 50, 41.256,
275.034

■ 50, 41.256,
275.034

46, 47.588,
278.682

54, 34.974,
271.825

43, 54.039,
282.697

58, 28.694,
269.057

39, 60.662,
286.925

62, 22.390,
266.699

38, 63.924,
288.865

66, 16.054,
264.702

70, 9.693, 263.017

74, 3.321, 261.635

79, 3.048, 80.204

83, 9.399, 79.211

87, 15.717, 78.305

Harmonies

Complementary

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



50, 41.256, 275.034



60, 46.368, 72.143

Rectangle

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



50, 41.256, 275.034



50, 41.256, 325.034



50, 41.256, 95.034



50, 41.256, 145.034

Sweetspot

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



50, 41.255, 275.035



86, 15.749, 263.844



69, 50.382, 158.780



44, 10.737, 264.330



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 41.255, 275.035



58, 61.018, 280.273



36, 75.062, 301.544



38, 3.616, 262.165



32, 55.299, 288.257



4, 12.163, 272.361

Inverse Universe

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



47, 54.398, 355.223



56, 75.391, 358.969



74, 61.655, 106.772



37, 4.812, 347.339



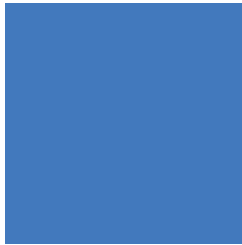
33, 59.061, 6.417



3, 13.575, 354.657

Previews

White Background



This preview shows how the CIE LCh color 50, 41.256, 275.034 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 41.256, 275.034 looks on a black 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

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

CIELCh 50, 41.256, 275.034

Background



This preview shows how black text looks on a background with the CIELCh color 50, 41.256, 275.034.

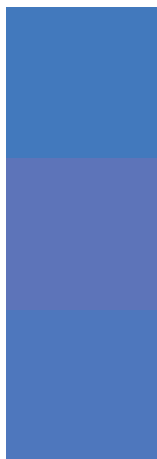


This preview shows how white text looks on a background with the CIELCh color 50, 41.256, 275.034.

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
50, 41.256, 275.034

Protanopia
50, 40.572, 285.733

Deuteranopia
50, 41.711, 279.838



Tritanopia
50, 26.252, 211.348

Trichromacy



Original Color
50, 41.256, 275.034

Protanomaly
50, 40.390, 281.137

Deuteranomaly
50, 41.365, 277.944

Tritanomaly
50, 27.286, 239.947

Monochromacy



Original Color
50, 41.256, 275.034

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 16.092, 266.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 41.256, 275.034 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(66, 121, 189)` looks like.

```
.text, #text, p{  
    color:rgb(66, 121, 189)  
}
```

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(66, 121, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 121, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 41.256, 275.034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

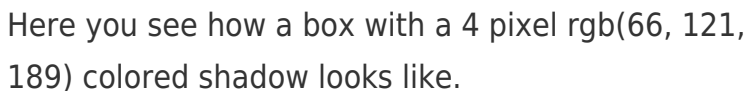
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 121, 189) }
```

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

```
.border{ border-color:rgb(66, 121, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 121, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 121, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 121, 189); box-shadow:4px 4px 4px 4px rgb(66, 121, 189) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 41.256, 275.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 121, 189) }
```

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

```
.background{ background-color: rgb(66, 121,  
189) }
```

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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