

Converting Colors

CIELCh(49, 36.011, 274.861)

Have a look what the booklet for
CIELCh(49, 36.011, 274.861)
contains.

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Color

CIELCh(49, 35.953, 274.946)

Conversions

Conversions Part 1

Format	Color
Hex	4B76B1
RGB	75, 118, 177
RGB Percent	29%, 46%, 69%
CMY	0.7063, 0.5376, 0.3063
CMYK	0.58, 0.33, 0.00, 0.31
HSL	215°, 41%, 49%
HSV	215°, 58%, 69%
XYZ	17.2838, 17.5941, 44.0220
YIQ	111.8690, -44.5670, 9.2330

Conversions

Conversions Part 2

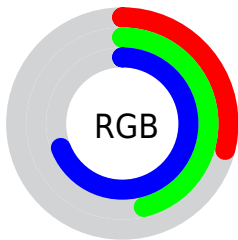
Format	Color
R _{YB}	75, 105, 177
Decimal	4945585
CIE Lab	49.00, 3.10, -35.82
CIE LCh	49, 35.953, 274.946
Yxy	17.5941, 0.2191, 0.2230
Android (android.graphics.Color)	4283135665 (0xFF4B76B1)
YUV	111.8690, 32.1096, -32.3341
Hunter-Lab	41.9453, 0.1479, -32.8638

Details

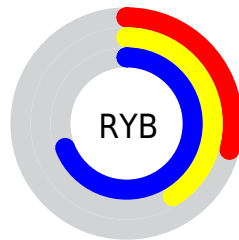
The CIELCh color **49, 35.953, 274.946** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **59, 38.966, 75.699**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 35.900, 274.851**, and **29, 36.046, 275.140** is the 20% darker color. If you saturate the color by 10%, you get **45, 42.274, 278.187**, and if you desaturate by 10%, it is **53, 29.684, 272.129**.

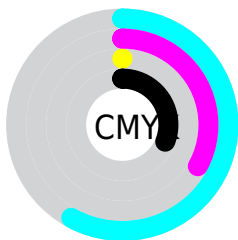
Distribution



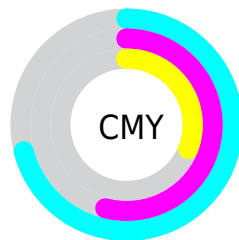
- Red (29%)
- Green (46%)
- Blue (69%)



- Red (29%)
- Yellow (41%)
- Blue (69%)



- Cyan (58%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)




- Cyan (71%)
- Magenta (54%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 35.953, 274.946 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 49, 35.953, 274.946 by changing the saturation by 10% instead.


 49, 35.953,
274.946


 49, 35.953,
274.946


 100, 35.953,
274.946


 39, 35.953,
274.946

 69, 35.953,
274.946


 29, 35.953,
274.946

 79, 35.953,
274.946

 19, 35.953,
274.946

 89, 35.953,
274.946

 9, 35.953, 274.946

 99, 35.953,
274.946

 0, 35.953, 274.946

 49, 35.953,

 49, 35.953,

274.946

274.946

■ 45, 42.274,
278.187

■ 53, 29.684,
272.129

■ 42, 48.699,
281.827

■ 57, 23.439,
269.714

■ 38, 55.277,
285.777

■ 61, 17.201,
267.658

■ 35, 62.033,
289.823

■ 65, 10.971,
265.914

■ 34, 63.642,
290.702

■ 69, 4.755, 264.453

■ 73, 1.437, 82.919

■ 77, 7.593, 81.974

■ 81, 13.704, 81.033

■ 85, 19.759, 80.204

Harmonies

Complementary

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



49, 35.953, 274.946



59, 38.966, 75.699

Rectangle

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



49, 35.953, 274.946



49, 35.953, 324.946



49, 35.953, 94.946



49, 35.953, 144.946

Sweetspot

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



49, 35.952, 274.947



83, 13.048, 265.855



65, 42.568, 160.973



43, 8.721, 266.169



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



49, 35.952, 274.947



57, 53.313, 279.068



38, 62.262, 300.410



36, 3.540, 264.675



29, 56.497, 290.200



3, 9.417, 271.708

Inverse Universe

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



47, 46.159, 355.383



55, 65.799, 358.257



70, 52.876, 108.079



35, 4.521, 348.869



32, 57.704, 8.751



2, 10.186, 354.178

Previews

White Background



This preview shows how the CIELCh color 49, 35.953, 274.946 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 49, 35.953, 274.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

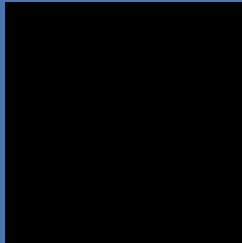
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 35.953, 274.946

Background



This preview shows how black text looks on a background with the CIELCh color 49, 35.953, 274.946.

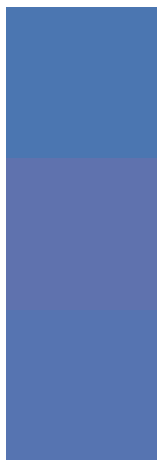


This preview shows how white text looks on a background with the CIELCh color 49, 35.953, 274.946.

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

49, 35.953, 274.946

Protanopia

49, 35.445, 285.250

Deuteranopia

49, 36.387, 280.767



Tritanopia
49, 21.908, 213.065

Trichromacy



Original Color
49, 35.953, 274.946

Protanomaly
49, 35.733, 281.717

Deuteranomaly
49, 36.056, 278.381

Tritanomaly
49, 23.537, 242.887

Monochromacy



Original Color
49, 35.953, 274.946

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 13.901, 268.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 35.953, 274.946 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(75, 118, 177)` looks like.

```
.text, #text, p{  
    color:rgb(75, 118, 177)  
}
```

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(75, 118, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 118, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 35.953, 274.946 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(75, 118, 177) }
```

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

```
.border{ border-color:rgb(75, 118, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 118, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 118, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 118, 177);  
box-shadow:4px 4px 4px 4px rgb(75, 118,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 35.953, 274.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 118, 177) }
```

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

```
.background{ background-color: rgb(75, 118,  
177) }
```

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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