

Converting Colors

CIELCh(52, 36.780, 269.900)

Have a look what the booklet for
CIELCh(52, 36.780, 269.900)
contains.

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Color

CIELCh(52, 37.015, 270.373)

Conversions

Conversions Part 1

Format	Color
Hex	477FBB
RGB	71, 127, 187
RGB Percent	28%, 50%, 73%
CMY	0.7210, 0.5015, 0.2662
CMYK	0.62, 0.32, 0.00, 0.27
HSL	211°, 46%, 51%
HSV	211°, 62%, 73%
XYZ	19.1938, 20.1443, 49.9566
YIQ	117.0960, -52.6360, 6.7880

Conversions

Conversions Part 2

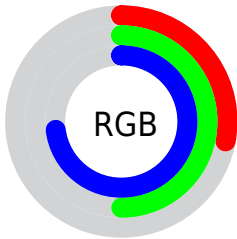
Format	Color
R_{YB}	71, 109, 187
Decimal	4685755
CIE Lab	52.00, 0.24, -37.01
CIE LCh	52, 37.015, 270.373
Yxy	20.1443, 0.2149, 0.2256
Android (android.graphics.Color)	4282875835 (0xFF477FBB)
YUV	117.0960, 34.4627, -40.4262
Hunter-Lab	44.8824, -2.2093, -34.5753

Details

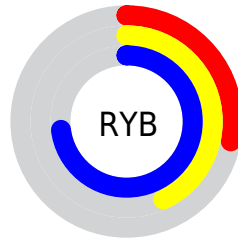
The CIELCh color **52, 37.015, 270.373** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **59, 43.269, 69.313**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 36.985, 270.574**, and **32, 36.519, 272.688** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.757, 273.953**, and if you desaturate by 10%, it is **56, 31.237, 267.269**.

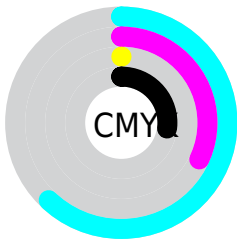
Distribution



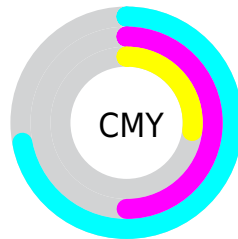
- Red (28%)
- Green (50%)
- Blue (73%)



- Red (28%)
- Yellow (43%)
- Blue (73%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (27%)





- Cyan (72%)
- Magenta (50%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 37.015, 270.373 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 52, 37.015, 270.373 by changing the saturation by 10% instead.


 52, 37.015,
270.373


 52, 37.015,
270.373


 100, 37.015,
270.373


 42, 37.015,
270.373


 72, 37.015,
270.373

 32, 37.015,
270.373


 82, 37.015,
270.373

 22, 37.015,
270.373

 92, 37.015,
270.373

 12, 37.015,
270.373

 2, 37.015, 270.373

 0, 37.015, 270.373

■ 52, 37.015,
270.373

■ 52, 37.015,
270.373

■ 48, 42.757,
273.953

■ 56, 31.237,
267.269

■ 45, 48.535,
277.971

■ 59, 25.387,
264.620

■ 42, 54.428,
282.311

■ 63, 19.451,
262.381

■ 40, 59.301,
285.775

■ 67, 13.434,
260.497

■ 71, 7.352, 258.920

■ 75, 1.226, 257.795

■ 79, 4.925, 76.298

■ 83, 11.080, 75.345

■ 87, 17.223, 74.500

Harmonies

Complementary

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



52, 37.015, 270.373



59, 43.269, 69.313

Rectangle

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



52, 37.015, 270.373



52, 37.015, 320.373



52, 37.015, 90.373



52, 37.015, 140.373

Sweetspot

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



52, 37.014, 270.374



86, 14.337, 260.046



68, 49.515, 157.507



45, 9.936, 260.531



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 37.014, 270.374



61, 54.142, 275.199



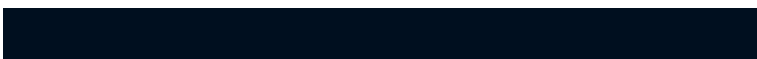
37, 70.663, 300.259



38, 3.504, 258.556



33, 51.678, 285.162



4, 11.754, 269.817

Inverse Universe

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



48, 52.635, 352.113



57, 73.349, 355.092



74, 58.726, 105.338



37, 4.923, 345.337



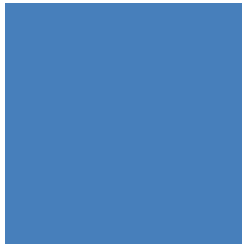
34, 59.194, 3.078



3, 13.817, 352.627

Previews

White Background



This preview shows how the CIE LCh color 52, 37.015, 270.373 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 52, 37.015, 270.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

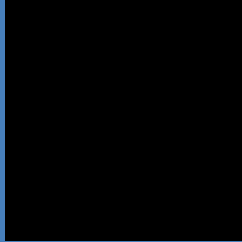
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 37.015, 270.373

Background



This preview shows how black text looks on a background with the CIELCh color 52, 37.015, 270.373.



This preview shows how white text looks on a background with the CIELCh color 52, 37.015, 270.373.

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
52, 37.015, 270.373

Protanopia
52, 35.631, 285.596

Deuteranopia
52, 38.309, 281.228

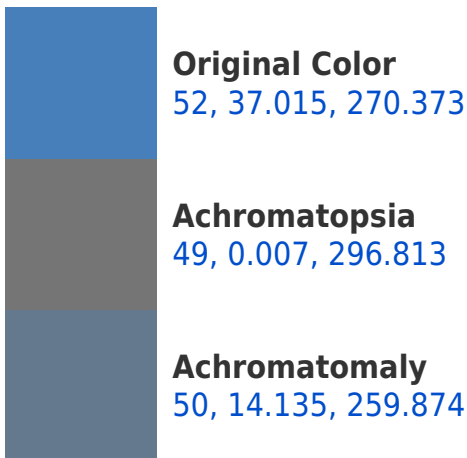


Tritanopia
52, 25.250, 211.963

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 37.015, 270.373 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(71, 127, 187)` looks like.

```
.text, #text, p{  
    color:rgb(71, 127, 187)  
}
```

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(71, 127, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 127, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 37.015, 270.373 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(71, 127, 187) }
```

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

```
.border{ border-color:rgb(71, 127, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 127, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 127, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 127, 187);  
box-shadow:4px 4px 4px 4px rgb(71, 127,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 37.015, 270.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 127, 187) }
```

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

```
.background{ background-color: rgb(71, 127,  
187) }
```

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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