

Converting Colors

CIELCh(37, 50.812, 286.293)

Have a look what the booklet for
CIELCh(37, 50.812, 286.293)
contains.

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Color

CIELCh(37, 50.812, 286.293)

Conversions

Conversions Part 1

Format	Color
Hex	2554A6
RGB	37, 84, 166
RGB Percent	15%, 33%, 65%
CMY	0.8534, 0.6697, 0.3480
CMYK	0.78, 0.49, 0.00, 0.35
HSL	218°, 63%, 40%
HSV	218°, 78%, 65%
XYZ	10.8707, 9.5379, 37.4676
YIQ	79.2950, -54.3340, 15.5380

Conversions

Conversions Part 2

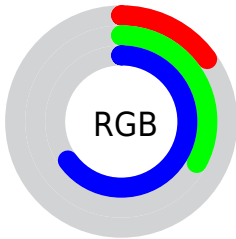
Format	Color
R _Y B	37, 71, 166
Decimal	2446502
CIE Lab	37.00, 14.26, -48.77
CIE LCh	37, 50.812, 286.293
Yxy	9.5379, 0.1878, 0.1648
Android (android.graphics.Color)	4280636582 (0xFF2554A6)
YUV	79.2950, 42.7456, -37.0927
Hunter-Lab	30.8835, 8.7840, -50.3116

Details

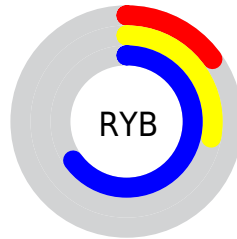
The CIELCh color **37, 50.812, 286.293** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **54, 50.692, 77.838**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 50.972, 286.214**, and **19, 49.518, 293.663** is the 20% darker color. If you saturate the color by 10%, you get **33, 57.951, 289.970**, and if you desaturate by 10%, it is **41, 43.853, 282.869**.

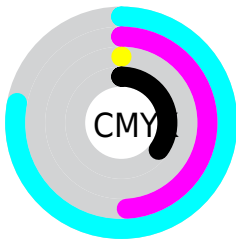
Distribution



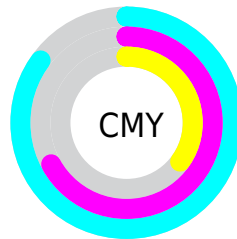
- Red (15%)
- Green (33%)
- Blue (65%)



- Red (15%)
- Yellow (28%)
- Blue (65%)



- Cyan (78%)
- Magenta (49%)
- Yellow (0%)
- Black (35%)





- Cyan (85%)
- Magenta (67%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 50.812, 286.293 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 37, 50.812, 286.293 by changing the saturation by 10% instead.

 37, 50.812,
286.293

 37, 50.812,
286.293

 100, 50.812,
286.293


 27, 50.812,
286.293

 57, 50.812,
286.293

 17, 50.812,
286.293


 67, 50.812,
286.293

 7, 50.812, 286.293

 77, 50.812,
286.293

 0, 50.812, 286.293

 87, 50.812,
286.293

 97, 50.812,
286.293

■ 37, 50.812,
286.293

■ 37, 50.812,
286.293

■ 33, 57.951,
289.970

■ 41, 43.853,
282.869

■ 30, 65.219,
293.677

■ 45, 37.065,
279.794

■ 30, 67.044,
294.523

■ 49, 30.413,
277.101

■ 53, 23.865,
274.777

■ 57, 17.402,
272.787

■ 61, 11.014,
271.089

■ 65, 4.699, 269.655

■ 69, 1.540, 88.200

Harmonies

Complementary

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



37, 50.812, 286.293



54, 50.692, 77.838

Rectangle

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



37, 50.812, 286.293



37, 50.812, 336.293



37, 50.812, 106.293



37, 50.812, 156.293

Sweetspot

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



37, 50.812, 286.294



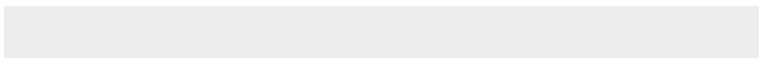
75, 18.013, 272.061



61, 47.715, 161.760



38, 12.592, 272.679



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 50.812, 286.294



41, 76.980, 292.677



26, 80.322, 304.864



33, 3.580, 269.891



26, 60.894, 294.138



2, 6.857, 272.738

Inverse Universe

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



38, 54.617, 4.954



47, 73.809, 12.192



65, 63.613, 110.492



33, 4.158, 352.509



31, 56.818, 14.145



2, 7.257, 355.078

Previews

White Background



This preview shows how the CIE LCh color 37, 50.812, 286.293 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 50.812, 286.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

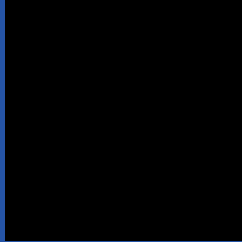
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 50.812, 286.293

Background



This preview shows how black text looks on a background with the CIELCh color 37, 50.812, 286.293.



This preview shows how white text looks on a background with the CIELCh color 37, 50.812, 286.293.

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


37, 50.812, 286.293

Protanopia

37, 50.747, 286.753

Deuteranopia

37, 42.319, 275.035



Tritanopia
37, 23.702, 207.296

Trichromacy



Original Color
37, 50.812, 286.293

Protanomaly
37, 50.769, 286.596

Deuteranomaly
37, 45.444, 279.358

Tritanomaly
36, 26.894, 250.182

Monochromacy



Original Color
37, 50.812, 286.293

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 18.818, 274.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 50.812, 286.293 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(37, 84, 166)` looks like.

```
.text, #text, p{  
    color:rgb(37, 84, 166)  
}
```

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(37, 84, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 84, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 50.812, 286.293 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(37, 84, 166) }
```

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

```
.border{ border-color:rgb(37, 84, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 84, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 84, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 84, 166);  
box-shadow:4px 4px 4px 4px rgb(37, 84,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 50.812, 286.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 84, 166) }
```

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

```
.background{ background-color: rgb(37, 84,  
166) }
```

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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