

Converting Colors

CIELCh(37, 25.293, 294.127)

Have a look what the booklet for
CIELCh(37, 25.293, 294.127)
contains.

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Color

CIELCh(37, 25.382, 294.135)

Conversions

Conversions Part 1

Format	Color
Hex	53537C
RGB	83, 83, 124
RGB Percent	33%, 33%, 49%
CMY	0.6735, 0.6735, 0.5127
CMYK	0.33, 0.33, 0.00, 0.51
HSL	240°, 20%, 41%
HSV	240°, 33%, 49%
XYZ	10.3580, 9.5379, 20.4536
YIQ	87.6740, -13.1610, 12.7510

Conversions

Conversions Part 2

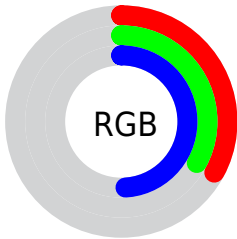
Format	Color
R_{YB}	83, 83, 124
Decimal	5460860
CIE _{Lab}	37.00, 10.38, -23.16
CIE _{LCh}	37, 25.382, 294.135
Yxy	9.5379, 0.2567, 0.2364
Android (android.graphics.Color)	4283650940 (0xFF53537C)
YUV	87.6740, 17.9087, -4.0991
Hunter-Lab	30.8835, 5.8209, -17.6483

Details

The CIELCh color $37, 25.382, 294.135$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 23.487, 107.136$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 25.761, 294.654$, and $17, 25.720, 294.205$ is the 20% darker color. If you saturate the color by 10%, you get $32, 33.760, 295.778$, and if you desaturate by 10%, it is $42, 17.336, 292.718$.

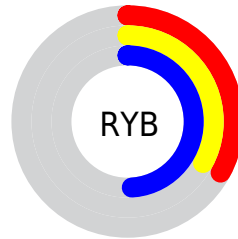
Distribution



Red (33%)

Green (33%)

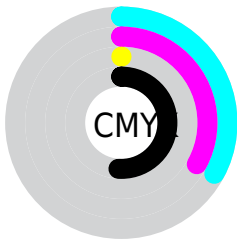
Blue (49%)



Red (33%)

Yellow (33%)

Blue (49%)

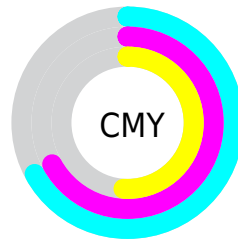


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (51%)



Cyan (67%)


Magenta (67%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 25.382, 294.135 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, 25.382, 294.135 by changing the saturation by 10% instead.


 37, 25.382,
294.135


 37, 25.382,
294.135

 100, 25.382,
294.135


 27, 25.382,
294.135

 57, 25.382,
294.135


 17, 25.382,
294.135


 67, 25.382,
294.135

 7, 25.382, 294.135

 77, 25.382,
294.135

 0, 25.382, 294.135

 87, 25.382,
294.135

 97, 25.382,
294.135

■ 37, 25.382,
294.135

■ 37, 25.382,
294.135

■ 32, 33.760,
295.778

■ 42, 17.336,
292.718

■ 28, 42.453,
297.647

■ 46, 9.611, 291.507

■ 24, 51.357,
299.702

■ 51, 2.185, 290.489

■ 55, 4.964, 109.575

■ 20, 60.176,
301.827

■ 60, 11.856,
108.825

■ 16, 68.256,
303.801

■ 64, 18.510,
108.177

■ 14, 74.547,
305.326

■ 69, 24.940,
107.618

■ 12, 78.580,
306.288

■ 73, 31.163,
107.133

■ 77, 37.190,
106.712

Harmonies

Complementary

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



37, 25.382, 294.135



51, 23.487, 107.136

Rectangle

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



37, 25.382, 294.135



37, 25.382, 344.135



37, 25.382, 114.135



37, 25.382, 164.135

Sweetspot

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



37, 25.381, 294.135



60, 9.068, 291.205



49, 14.874, 197.856



31, 6.249, 291.330



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 25.381, 294.135



44, 38.574, 295.419



39, 26.380, 310.616



23, 4.080, 291.081



12, 78.889, 306.288



32, 132.799, 306.288

Inverse Universe

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



41, 29.309, 326.155



50, 43.526, 326.542



50, 25.233, 127.594



24, 4.930, 324.900



29, 68.119, 328.242



60, 114.667, 328.242

Previews

White Background



This preview shows how the CIELCh color 37, 25.382, 294.135 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 CIELCh color 37, 25.382, 294.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

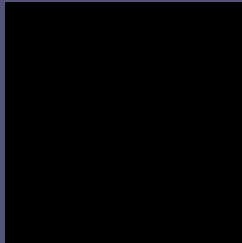
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 25.382, 294.135

Background



This preview shows how black text looks on a background with the CIELCh color 37, 25.382, 294.135.



This preview shows how white text looks on a background with the CIELCh color 37, 25.382, 294.135.

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

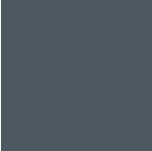
37, 25.382, 294.135

Protanopia

37, 24.866, 284.699

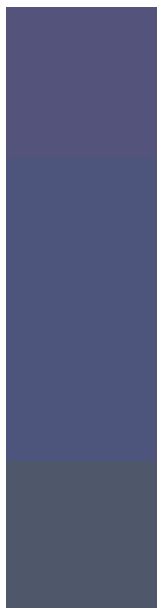
Deuteranopia

37, 23.713, 283.172



Tritanopia
37, 6.341, 242.141

Trichromacy



Original Color
37, 25.382, 294.135

Protanomaly
37, 24.775, 287.716

Deuteranomaly
37, 24.169, 287.434

Tritanomaly
37, 12.044, 277.428

Monochromacy



Original Color
37, 25.382, 294.135

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 9.280, 291.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 25.382, 294.135 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(83, 83, 124)` looks like.

```
.text, #text, p{  
    color:rgb(83, 83, 124)  
}
```

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(83, 83, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 83, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 25.382, 294.135 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(83, 83, 124) }
```

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

```
.border{ border-color:rgb(83, 83, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 83, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 83, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 83, 124);  
box-shadow:4px 4px 4px 4px rgb(83, 83,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 25.382, 294.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 83, 124) }
```

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

```
.background{ background-color: rgb(83, 83,  
124) }
```

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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