

Converting Colors

CIELCh(37, 24.689, 249.629)

Have a look what the booklet for
CIELCh(37, 24.689, 249.629)
contains.

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Color

CIELCh(37, 24.738, 249.404)

Conversions

Conversions Part 1

Format	Color
Hex	1E5D7C
RGB	30, 93, 124
RGB Percent	12%, 36%, 49%
CMY	0.8829, 0.6357, 0.5141
CMYK	0.76, 0.25, 0.00, 0.51
HSL	200°, 61%, 30%
HSV	200°, 76%, 49%
XYZ	8.0685, 9.5379, 20.4502
YIQ	77.6970, -47.4990, -3.7150

Conversions

Conversions Part 2

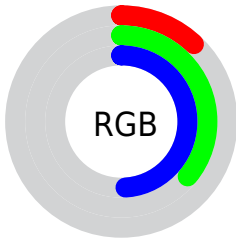
Format	Color
R_{YB}	30, 68, 124
Decimal	1990012
CIE _{Lab}	37.00, -8.70, -23.16
CIE _{LCh}	37, 24.738, 249.404
Yxy	9.5379, 0.2120, 0.2506
Android (android.graphics.Color)	4280180092 (0xFF1E5D7C)
YUV	77.6970, 22.8274, -41.8303
Hunter-Lab	30.8835, -7.4121, -17.6417




Details

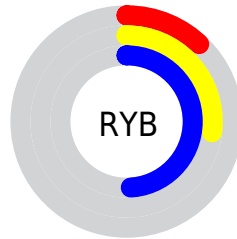
The CIELCh color **37, 24.738, 249.404** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 39.647, 51.116**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **57, 24.951, 249.953**, and **18, 21.587, 262.927** is the 20% darker color. If you saturate the color by 10%, you get **35, 26.832, 253.326**, and if you desaturate by 10%, it is **39, 22.377, 246.096**.

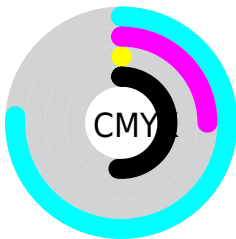
Distribution







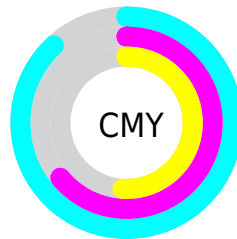
-  Red (12%)
-  Green (36%)
-  Blue (49%)






-  Red (12%)
-  Yellow (27%)
-  Blue (49%)



-  Cyan (76%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (88%)
-  Magenta (64%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 24.738, 249.404 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, 24.738, 249.404 by changing the saturation by 10% instead.

 37, 24.738,
249.404

 37, 24.738,
249.404

 100, 24.738,
249.404

 27, 24.738,
249.404

 57, 24.738,
249.404

 17, 24.738,
249.404

 67, 24.738,
249.404

 7, 24.738, 249.404

 77, 24.738,
249.404

 0, 24.738, 249.404

 87, 24.738,
249.404

 97, 24.738,
249.404

■ 37, 24.738,
249.404

■ 37, 24.738,
249.404

■ 35, 26.832,
253.326

■ 39, 22.377,
246.096

■ 34, 28.762,
257.755

■ 41, 19.714,
243.361

■ 33, 29.584,
259.498

■ 42, 16.745,
241.129

■ 44, 13.490,
239.323

■ 46, 9.983, 237.869

■ 49, 6.262, 236.711

■ 51, 2.367, 235.849

■ 53, 1.666, 54.727

■ 55, 5.804, 54.250

Harmonies

Complementary

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



37, 24.738, 249.404



33, 39.647, 51.116

Rectangle

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



37, 24.738, 249.404



37, 24.738, 299.404



37, 24.738, 69.404



37, 24.738, 119.404

Sweetspot

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



37, 24.737, 249.404



60, 11.025, 237.572



46, 49.899, 146.695



30, 7.636, 237.961



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, 24.737, 249.404



45, 34.102, 256.553



23, 50.683, 295.714



25, 2.225, 236.078



34, 29.779, 259.547



66, 51.664, 262.516

Inverse Universe

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



29, 48.327, 342.305



36, 63.432, 345.054



45, 43.183, 92.755



24, 3.911, 336.077



27, 53.786, 346.297



56, 89.628, 347.621

Previews

White Background



This preview shows how the CIELCh color 37, 24.738, 249.404 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, 24.738, 249.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

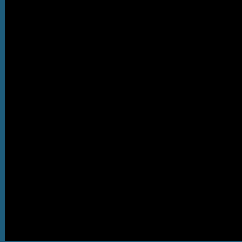
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 24.738, 249.404

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.738, 249.404.



This preview shows how white text looks on a background with the CIELCh color 37, 24.738, 249.404.

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, 24.738, 249.404

Protanopia

37, 19.926, 284.081

Deuteranopia

37, 24.408, 282.126



Tritanopia
37, 23.651, 208.902

Trichromacy



Original Color
37, 24.738, 249.404

Protanomaly
37, 20.931, 266.116

Deuteranomaly
37, 23.974, 268.129

Tritanomaly
37, 22.949, 222.952

Monochromacy



Original Color
37, 24.738, 249.404

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 11.185, 241.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 24.738, 249.404 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(30, 93, 124)` looks like.

```
.text, #text, p{  
    color:rgb(30, 93, 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(30, 93, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 93, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.738, 249.404 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(30, 93, 124) }
```

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

```
.border{ border-color:rgb(30, 93, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 93, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 93, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 93, 124);  
box-shadow:4px 4px 4px 4px rgb(30, 93,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.738, 249.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 93, 124) }
```

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

```
.background{ background-color: rgb(30, 93,  
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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