

Converting Colors

CIELCh(37, 24.983, 146.128)

Have a look what the booklet for
CIELCh(37, 24.983, 146.128)
contains.

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Color

CIELCh(37, 24.720, 146.405)

Conversions

Conversions Part 1

Format	Color
Hex	3A5F40
RGB	58, 95, 64
RGB Percent	23%, 37%, 25%
CMY	0.7711, 0.6260, 0.7476
CMYK	0.39, 0.00, 0.33, 0.63
HSL	130°, 24%, 30%
HSV	130°, 39%, 37%
XYZ	6.8285, 9.5379, 6.3849
YIQ	80.4030, -12.1010, -17.4850

Conversions

Conversions Part 2

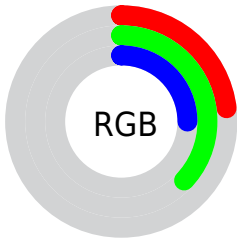
Format	Color
R_{YB}	58, 90, 95
Decimal	3825472
CIE _{Lab}	37.00, -20.59, 13.68
CIE _{LCh}	37, 24.720, 146.405
Yxy	9.5379, 0.3001, 0.4192
Android (android.graphics.Color)	4282015552 (0xFF3A5F40)
YUV	80.4030, -8.0867, -19.6474
Hunter-Lab	30.8835, -14.5790, 9.3608

Details

The CIELCh color $37, 24.720, 146.405$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 24.766, 331.472$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 24.816, 146.307$, and $17, 24.496, 146.523$ is the 20% darker color. If you saturate the color by 10%, you get $36, 30.830, 145.392$, and if you desaturate by 10%, it is $38, 18.413, 147.291$.

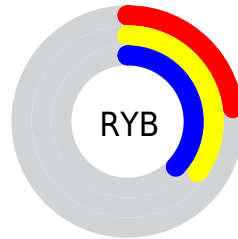
Distribution



Red (23%)

Green (37%)

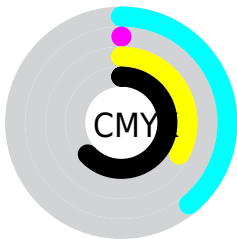
Blue (25%)



Red (23%)

Yellow (35%)

Blue (37%)

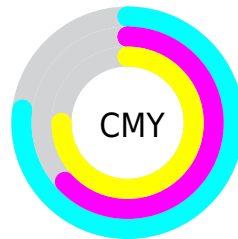


Cyan (39%)

Magenta (0%)

Yellow (33%)

Black (63%)



Cyan (77%)

Magenta (63%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 24.720, 146.405 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, 24.720, 146.405 by changing the saturation by 10% instead.

 37, 24.720,
146.405

 37, 24.720,
146.405

 100, 24.720,
146.405

 27, 24.720,
146.405

 57, 24.720,
146.405

 17, 24.720,
146.405

 67, 24.720,
146.405

 7, 24.720, 146.405

 77, 24.720,
146.405

 0, 24.720, 146.405

 87, 24.720,
146.405

 97, 24.720,
146.405

■ 37, 24.720,
146.405

■ 37, 24.720,
146.405

■ 36, 30.830,
145.392

■ 38, 18.413,
147.291

■ 36, 36.619,
144.246

■ 39, 12.010,
148.064

■ 35, 41.957,
142.972

■ 40, 5.597, 148.747

■ 35, 46.707,
141.594

■ 41, 0.759, 329.065

■ 42, 7.008, 329.774

■ 35, 50.735,
140.163

■ 43, 13.115,
330.226

■ 35, 54.092,
138.970

■ 44, 19.060,
330.617

■ 35, 54.456,
138.865

■ 46, 24.828,
330.961

■ 47, 30.415,
331.266

Harmonies

Complementary

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



37, 24.720, 146.405



30, 24.766, 331.472

Rectangle

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



37, 24.720, 146.405



37, 24.720, 196.405



37, 24.720, 326.405



37, 24.720, 16.405

Sweetspot

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



37, 24.721, 146.405



51, 9.545, 148.511



39, 22.292, 113.371



26, 6.383, 148.458



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 24.721, 146.405



47, 37.089, 145.428



37, 16.865, 168.921



19, 3.611, 148.741



41, 61.543, 138.530



83, 110.030, 137.589

Inverse Universe

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



30, 24.766, 331.472



37, 37.038, 332.058



29, 18.422, 356.675



18, 3.621, 329.696



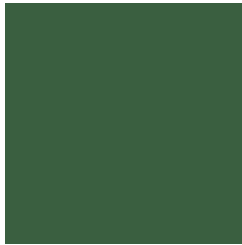
25, 55.898, 335.526



55, 96.994, 336.070

Previews

White Background



This preview shows how the CIELCh color 37, 24.720, 146.405 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, 24.720, 146.405 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, 24.720, 146.405

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.720, 146.405.



This preview shows how white text looks on a background with the CIELCh color 37, 24.720, 146.405.

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, 24.720, 146.405

Protanopia
37, 16.248, 95.807

Deuteranopia
37, 13.412, 66.896



Tritanopia
37, 10.575, 222.601

Trichromacy



Original Color
37, 24.720, 146.405

Protanomaly
37, 17.551, 120.993

Deuteranomaly
37, 13.498, 111.847

Tritanomaly
37, 12.790, 177.884

Monochromacy



Original Color
37, 24.720, 146.405

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.899, 148.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 24.720, 146.405 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(58, 95, 64)` looks like.

```
.text, #text, p{  
    color:rgb(58, 95, 64)  
}
```

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(58, 95, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 95, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.720, 146.405 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(58, 95, 64) }
```

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

```
.border{ border-color:rgb(58, 95, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 95, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 95, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 95, 64);  
box-shadow:4px 4px 4px 4px rgb(58, 95, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.720, 146.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 95, 64) }
```

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

```
.background{ background-color: rgb(58, 95,  
64) }
```

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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