

Converting Colors

CIELCh(37, 44.124, 120.048)

Have a look what the booklet for
CIELCh(37, 44.124, 120.048)
contains.

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Color

CIELCh(37, 43.908, 120.074)

Conversions

Conversions Part 1

Format	Color
Hex	455F12
RGB	69, 95, 18
RGB Percent	27%, 37%, 7%
CMY	0.7286, 0.6267, 0.9285
CMYK	0.27, 0.00, 0.81, 0.63
HSL	80°, 68%, 22%
HSV	80°, 81%, 37%
XYZ	6.6903, 9.5379, 2.0704
YIQ	78.4480, 9.2210, -29.4590

Conversions

Conversions Part 2

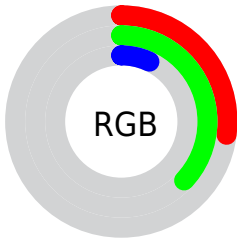
Format	Color
RYB	18, 95, 44
Decimal	4546322
CIELab	37.00, -22.00, 38.00
CIELCh	37, 43.908, 120.074
Yxy	9.5379, 0.3656, 0.5212
Android (android.graphics.Color)	4282736402 (0xFF455F12)
YUV	78.4480, -29.8009, -8.2859
Hunter-Lab	30.8835, -15.3780, 17.6437

Details

The CIELCh color $37, 43.908, 120.074$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $14, 52.158, 308.592$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 43.907, 120.289$, and $17, 31.831, 130.219$ is the 20% darker color. If you saturate the color by 10%, you get $37, 47.167, 120.396$, and if you desaturate by 10%, it is $37, 39.759, 120.073$.

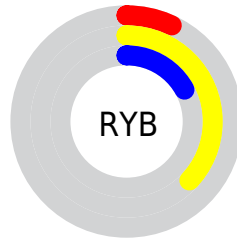
Distribution



Red (27%)

Green (37%)

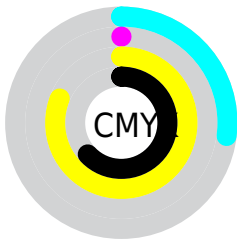
Blue (7%)



Red (7%)

Yellow (37%)

Blue (17%)

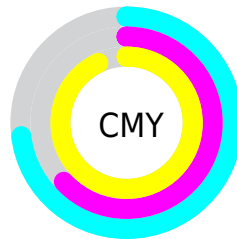


Cyan (27%)

Magenta (0%)

Yellow (81%)

Black (63%)



Cyan (73%)


Magenta (63%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 43.908, 120.074 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, 43.908, 120.074 by changing the saturation by 10% instead.


 37, 43.908,
120.074


 37, 43.908,
120.074

 100, 43.908,
120.074

 27, 43.908,
120.074

 57, 43.908,
120.074


 17, 43.908,
120.074


 67, 43.908,
120.074

 7, 43.908, 120.074

 77, 43.908,
120.074

 0, 43.908, 120.074

 87, 43.908,
120.074

 97, 43.908,
120.074

■ 37, 43.908,
120.074

■ 37, 43.908,
120.074

■ 37, 47.167,
120.396

■ 37, 39.759,
120.073

■ 37, 49.955,
120.678

■ 38, 34.937,
120.300

■ 38, 29.652,
120.675

■ 38, 24.065,
121.136

■ 39, 18.288,
121.641

■ 39, 12.402,
122.161

■ 40, 6.460, 122.678

■ 40, 0.502, 123.243

Harmonies

Complementary

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



37, 43.908, 120.074



14, 52.158, 308.592

Rectangle

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



37, 43.908, 120.074



37, 43.908, 170.074



37, 43.908, 300.074



37, 43.908, 350.074

Sweetspot

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



37, 43.908, 120.076



51, 17.835, 121.957



25, 34.150, 51.316



26, 12.338, 121.826



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, 43.908, 120.076



48, 59.861, 120.974



35, 50.346, 135.116



20, 3.387, 122.778



43, 56.193, 120.973



87, 98.867, 121.905

Inverse Universe

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



14, 52.158, 308.592



16, 74.108, 309.076



20, 50.701, 322.434



18, 3.442, 303.663



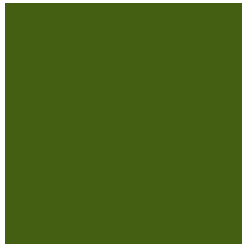
13, 70.025, 309.299



34, 123.330, 308.692

Previews

White Background



This preview shows how the CIELCh color 37, 43.908, 120.074 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, 43.908, 120.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

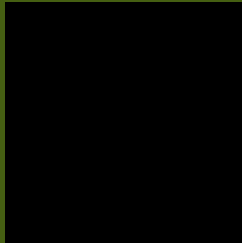
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 43.908, 120.074

Background



This preview shows how black text looks on a background with the CIELCh color 37, 43.908, 120.074.



This preview shows how white text looks on a background with the CIELCh color 37, 43.908, 120.074.

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, 43.908, 120.074

Protanopia

37, 39.734, 95.507

Deuteranopia

37, 36.468, 82.040



Tritanopia
37, 6.068, 244.635

Trichromacy



Original Color
37, 43.908, 120.074

Protanomaly
37, 40.173, 105.079

Deuteranomaly
37, 36.749, 97.748

Tritanomaly
37, 15.811, 134.522

Monochromacy



Original Color
37, 43.908, 120.074

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 17.833, 122.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 43.908, 120.074 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(69, 95, 18)` looks like.

```
.text, #text, p{  
    color:rgb(69, 95, 18)  
}
```

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(69, 95, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 95, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 43.908, 120.074 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(69, 95, 18) }
```

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

```
.border{ border-color:rgb(69, 95, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 95, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 95, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 95, 18);  
box-shadow:4px 4px 4px 4px rgb(69, 95, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 43.908, 120.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 95, 18) }
```

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

```
.background{ background-color: rgb(69, 95,  
18) }
```

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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