

Converting Colors

CIELCh(37, 45.569, 107.388)

Have a look what the booklet for
CIELCh(37, 45.569, 107.388)
contains.

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Color

CIELCh(37, 45.584, 107.362)

Conversions

Conversions Part 1

Format	Color
Hex	555C02
RGB	85, 92, 2
RGB Percent	33%, 36%, 1%
CMY	0.6676, 0.6401, 0.9932
CMYK	0.08, 0.00, 0.98, 0.64
HSL	65°, 96%, 18%
HSV	65°, 98%, 36%
XYZ	7.5406, 9.5379, 1.4932
YIQ	79.6470, 24.7180, -29.4740

Conversions

Conversions Part 2

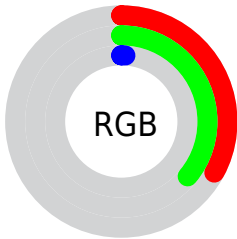
Format	Color
R_{YB}	2, 92, 9
Decimal	5594114
CIE _{Lab}	37.00, -13.60, 43.51
CIE _{LCh}	37, 45.584, 107.362
Yxy	9.5379, 0.4060, 0.5136
Android (android.graphics.Color)	4283784194 (0xFF555C02)
YUV	79.6470, -38.2800, 4.6946
Hunter-Lab	30.8835, -10.4629, 18.7518

Details

The CIELCh color **37, 45.584, 107.362** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **8, 61.660, 306.439**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 45.718, 107.059**, and **17, 27.139, 116.039** is the 20% darker color. If you saturate the color by 10%, you get **37, 46.112, 107.322**, and if you desaturate by 10%, it is **37, 42.961, 107.531**.

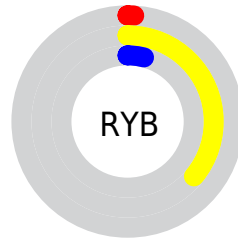
Distribution



Red (33%)

Green (36%)

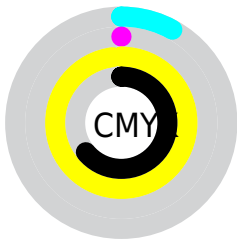
Blue (1%)



Red (1%)

Yellow (36%)

Blue (4%)

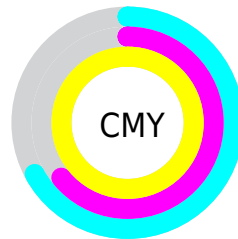


Cyan (8%)

Magenta (0%)

Yellow (98%)

Black (64%)



Cyan (67%)


Magenta (64%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 45.584, 107.362 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, 45.584, 107.362 by changing the saturation by 10% instead.


 37, 45.584,
107.362


 37, 45.584,
107.362

 100, 45.584,
107.362

 27, 45.584,
107.362

 57, 45.584,
107.362


 17, 45.584,
107.362


 67, 45.584,
107.362

 7, 45.584, 107.362

 77, 45.584,
107.362

 0, 45.584, 107.362

 87, 45.584,
107.362

 97, 45.584,
107.362

■ 37, 45.584,
107.362

■ 37, 45.584,
107.362

■ 37, 46.112,
107.322

■ 37, 42.961,
107.531

■ 37, 39.859,
107.795

■ 37, 35.912,
108.246

■ 38, 31.349,
108.836

■ 38, 26.365,
109.521

■ 38, 21.108,
110.264

■ 38, 15.678,
111.040

■ 38, 10.144,

111.828

■ 39, 4.552, 112.611

Harmonies

Complementary

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



37, 45.584, 107.362



8, 61.660, 306.439

Rectangle

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



37, 45.584, 107.362



37, 45.584, 157.362



37, 45.584, 287.362



37, 45.584, 337.362

Sweetspot

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



37, 45.584, 107.364



49, 20.129, 110.898



18, 44.394, 36.378



25, 13.896, 110.672



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 45.584, 107.364



48, 55.680, 107.464



34, 51.524, 128.967



19, 3.144, 112.556



44, 52.256, 107.420



90, 92.153, 107.712

Inverse Universe

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



8, 61.660, 306.439



12, 76.091, 306.672



13, 57.081, 314.261



17, 3.206, 293.970



10, 71.370, 306.713



30, 126.276, 306.475

Previews

White Background



This preview shows how the CIELCh color 37, 45.584, 107.362 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, 45.584, 107.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

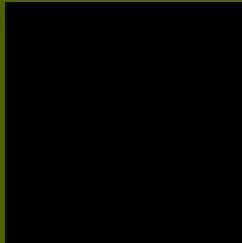
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 45.584, 107.362

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.584, 107.362.



This preview shows how white text looks on a background with the CIELCh color 37, 45.584, 107.362.

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, 45.584, 107.362

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 40.805, 83.669



Tritanopia
37, 5.035, 320.792

Trichromacy



Original Color
37, 45.584, 107.362

Protanomaly
37, 44.696, 100.282

Deuteranomaly
37, 41.642, 92.665

Tritanomaly
36, 17.123, 104.170

Monochromacy



Original Color
37, 45.584, 107.362

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 20.224, 110.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.584, 107.362 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(85, 92, 2)` looks like.

```
.text, #text, p{  
    color:rgb(85, 92, 2)  
}
```

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(85, 92, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 92, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.584, 107.362 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(85, 92, 2) }
```

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

```
.border{ border-color:rgb(85, 92, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 92, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 92, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 92, 2); box-shadow:4px  
4px 4px 4px rgb(85, 92, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.584, 107.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 92, 2) }
```

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

```
.background{ background-color: rgb(85, 92,  
2) }
```

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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