

Converting Colors

CIELCh(37, 21.641, 105.067)

Have a look what the booklet for
CIELCh(37, 21.641, 105.067)
contains.

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Color

CIELCh(37, 21.759, 105.335)

Conversions

Conversions Part 1

Format	Color
Hex	5A5935
RGB	90, 89, 53
RGB Percent	35%, 35%, 21%
CMY	0.6477, 0.6516, 0.7928
CMYK	0.00, 0.01, 0.41, 0.65
HSL	58°, 26%, 28%
HSV	58°, 41%, 35%
XYZ	8.3976, 9.5379, 4.7478
YIQ	85.1950, 12.1520, -10.9840

Conversions

Conversions Part 2

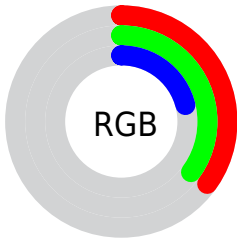
Format	Color
R_{YB}	54, 90, 53
Decimal	5921077
CIE Lab	37.00, -5.75, 20.98
CIE LCh	37, 21.759, 105.335
Yxy	9.5379, 0.3702, 0.4205
Android (android.graphics.Color)	4284111157 (0xFF5A5935)
YUV	85.1950, -15.8721, 4.2140
Hunter-Lab	30.8835, -5.5101, 12.5036

Details

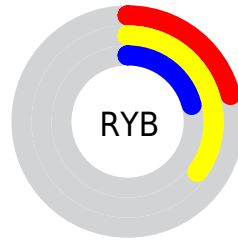
The CIELCh color $[37, 21.759, 105.335]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[24, 23.856, 294.186]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 21.966, 105.308]$, and $[17, 21.776, 106.305]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 26.751, 104.462]$, and if you desaturate by 10%, it is $[37, 16.590, 106.243]$.

Distribution



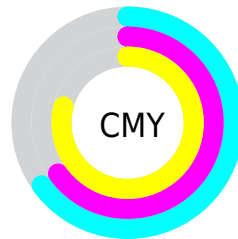
- Red (35%)
- Green (35%)
- Blue (21%)



- Red (21%)
- Yellow (35%)
- Blue (21%)



- Cyan (0%)
- Magenta (1%)
- Yellow (41%)
- Black (65%)





- Cyan (65%)
- Magenta (65%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 21.759, 105.335 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, 21.759, 105.335 by changing the saturation by 10% instead.


 37, 21.759,
105.335


 37, 21.759,
105.335

 100, 21.759,
105.335


 27, 21.759,
105.335

 57, 21.759,
105.335


 17, 21.759,
105.335


 67, 21.759,
105.335

 7, 21.759, 105.335

 77, 21.759,
105.335

 0, 21.759, 105.335

 87, 21.759,
105.335

 97, 21.759,
105.335

■ 37, 21.759,
105.335

■ 37, 21.759,
105.335

■ 37, 26.751,
104.462

■ 37, 16.590,
106.243

■ 37, 31.455,
103.634

■ 38, 11.315,
107.160

■ 36, 35.713,
102.881

■ 38, 5.982, 108.073

■ 36, 39.317,
102.230

■ 38, 0.623, 108.918

■ 38, 4.741, 289.880

■ 36, 42.071,
101.703

■ 39, 10.095,
290.734

■ 36, 44.426,
101.259

■ 39, 15.431,
291.561

■ 40, 20.741,
292.354

■ 40, 26.019,
293.112

Harmonies

Complementary

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



37, 21.759, 105.335



24, 23.856, 294.186

Rectangle

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



37, 21.759, 105.335



37, 21.759, 155.335



37, 21.759, 285.335



37, 21.759, 335.335

Sweetspot

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



37, 21.760, 105.338



49, 8.005, 107.963



27, 17.928, 20.511



24, 5.255, 107.902



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 21.760, 105.338



48, 31.940, 104.511



36, 23.803, 126.083



19, 3.054, 108.283



44, 51.065, 101.218



89, 89.898, 101.109

Inverse Universe

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



24, 23.856, 294.186



28, 36.029, 295.835



25, 25.245, 309.885



17, 3.112, 289.945



10, 70.320, 305.690



30, 125.575, 306.050

Previews

White Background



This preview shows how the CIELCh color 37, 21.759, 105.335 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, 21.759, 105.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

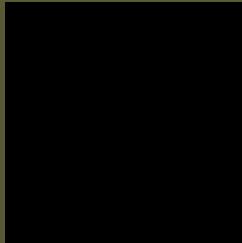
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 21.759, 105.335

Background



This preview shows how black text looks on a background with the CIELCh color 37, 21.759, 105.335.



This preview shows how white text looks on a background with the CIELCh color 37, 21.759, 105.335.

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

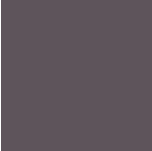
37, 21.759, 105.335

Protanopia

37, 21.618, 96.318

Deuteranopia

37, 21.004, 76.407



Tritanopia
37, 6.078, 334.928

Trichromacy



Original Color
37, 21.759, 105.335

Protanomaly
37, 21.932, 100.257

Deuteranomaly
37, 20.211, 87.360

Tritanomaly
37, 6.153, 83.469

Monochromacy



Original Color
37, 21.759, 105.335

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 8.021, 105.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 21.759, 105.335 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(90, 89, 53)` looks like.

```
.text, #text, p{  
    color:rgb(90, 89, 53)  
}
```

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(90, 89, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 89, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 21.759, 105.335 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(90, 89, 53) }
```

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

```
.border{ border-color:rgb(90, 89, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 89, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 89, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 89, 53);  
box-shadow:4px 4px 4px 4px rgb(90, 89, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 21.759, 105.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 89, 53) }
```

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

```
.background{ background-color: rgb(90, 89,  
53) }
```

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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