

Converting Colors

CIELCh(37, 29.116, 261.928)

Have a look what the booklet for
CIELCh(37, 29.116, 261.928)
contains.

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Color

CIELCh(37, 29.197, 262.253)

Conversions

Conversions Part 1

Format	Color
Hex	1F5B85
RGB	31, 91, 133
RGB Percent	12%, 36%, 52%
CMY	0.8765, 0.6419, 0.4771
CMYK	0.76, 0.32, 0.00, 0.48
HSL	205°, 62%, 32%
HSV	205°, 76%, 52%
XYZ	8.6050, 9.5379, 23.7014
YIQ	77.8480, -49.2420, 0.3420

Conversions

Conversions Part 2

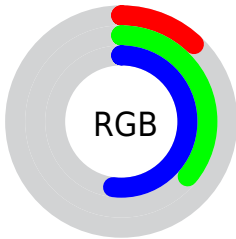
Format	Color
R_{YB}	31, 69, 133
Decimal	2055045
CIE _{Lab}	37.00, -3.94, -28.93
CIE _{LCh}	37, 29.197, 262.253
Yxy	9.5379, 0.2056, 0.2279
Android (android.graphics.Color)	4280245125 (0xFF1F5B85)
YUV	77.8480, 27.1899, -41.0857
Hunter-Lab	30.8835, -4.3112, -23.8833

Details

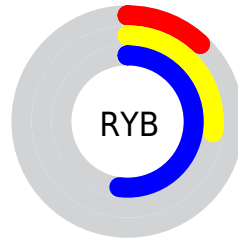
The CIELCh color **37, 29.197, 262.253** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 41.366, 58.054**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 28.939, 262.072**, and **18, 26.607, 273.745** is the 20% darker color. If you saturate the color by 10%, you get **35, 32.294, 266.455**, and if you desaturate by 10%, it is **39, 25.975, 258.586**.

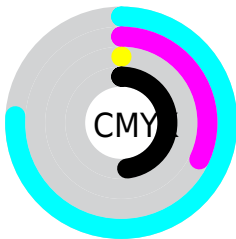
Distribution



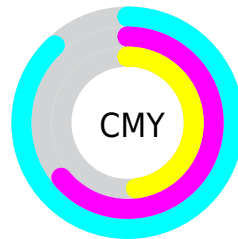
- Red (12%)
- Green (36%)
- Blue (52%)



- Red (12%)
- Yellow (27%)
- Blue (52%)



- Cyan (76%)
- Magenta (32%)
- Yellow (0%)
- Black (48%)





- Cyan (88%)
- Magenta (64%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 29.197, 262.253 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, 29.197, 262.253 by changing the saturation by 10% instead.


 37, 29.197,
262.253


 37, 29.197,
262.253

 100, 29.197,
262.253

 27, 29.197,
262.253

 57, 29.197,
262.253

 17, 29.197,
262.253


 67, 29.197,
262.253

 7, 29.197, 262.253

 77, 29.197,
262.253

 0, 29.197, 262.253

 87, 29.197,
262.253

 97, 29.197,
262.253

■ 37, 29.197,
262.253

■ 37, 29.197,
262.253

■ 35, 32.294,
266.455

■ 39, 25.975,
258.586

■ 33, 35.370,
271.022

■ 41, 22.575,
255.461

■ 32, 36.527,
272.577

■ 44, 18.972,
252.841

■ 46, 15.170,
250.665

■ 49, 11.186,
248.865

■ 51, 7.046, 247.385

■ 54, 2.781, 246.210

■ 57, 1.582, 64.850

Harmonies

Complementary

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



37, 29.197, 262.253



38, 41.366, 58.054

Rectangle

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



37, 29.197, 262.253



37, 29.197, 312.253



37, 29.197, 82.253



37, 29.197, 132.253

Sweetspot

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



37, 29.196, 262.254



63, 12.137, 248.410



49, 49.586, 149.829



32, 8.325, 248.906



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 29.196, 262.254



44, 41.990, 269.992



22, 60.135, 299.436



27, 2.436, 246.494



31, 35.803, 272.445



0, 0.590, 245.423

Inverse Universe

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



31, 49.007, 347.556



38, 64.413, 351.523



51, 48.753, 98.115



26, 3.944, 339.854



28, 53.012, 352.957



0, 0.936, 339.222

Previews

White Background



This preview shows how the CIELCh color 37, 29.197, 262.253 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, 29.197, 262.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

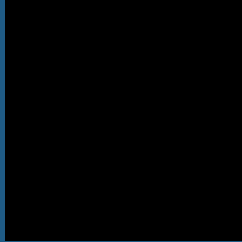
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 29.197, 262.253

Background



This preview shows how black text looks on a background with the CIELCh color 37, 29.197, 262.253.



This preview shows how white text looks on a background with the CIELCh color 37, 29.197, 262.253.

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, 29.197, 262.253

Protanopia

37, 26.754, 285.138

Deuteranopia

37, 29.597, 279.732



Tritanopia
37, 23.651, 208.902

Trichromacy



Original Color
37, 29.197, 262.253

Protanomaly
37, 27.625, 275.045

Deuteranomaly
37, 29.213, 272.370

Tritanomaly
37, 23.549, 231.236

Monochromacy



Original Color
37, 29.197, 262.253

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 12.154, 249.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 29.197, 262.253 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(31, 91, 133)` looks like.

```
.text, #text, p{  
    color:rgb(31, 91, 133)  
}
```

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(31, 91, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 91, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 29.197, 262.253 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(31, 91, 133) }
```

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

```
.border{ border-color:rgb(31, 91, 133) }
```

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

Here you see how a box with a 4 pixel rgb(31, 91, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 91, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 91, 133);  
box-shadow:4px 4px 4px 4px rgb(31, 91,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 29.197, 262.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 91, 133) }
```

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

```
.background{ background-color: rgb(31, 91,  
133) }
```

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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