

Converting Colors

CIELCh(37, 33.224, 106.416)

Have a look what the booklet for
CIELCh(37, 33.224, 106.416)
contains.

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Color

CIELCh(37, 33.208, 106.456)

Conversions

Conversions Part 1

Format	Color
Hex	585A21
RGB	88, 90, 33
RGB Percent	35%, 35%, 13%
CMY	0.6542, 0.6463, 0.8699
CMYK	0.02, 0.00, 0.63, 0.65
HSL	62°, 46%, 24%
HSV	62°, 63%, 35%
XYZ	7.9911, 9.5379, 2.8715
YIQ	82.9040, 17.1050, -18.1510

Conversions

Conversions Part 2

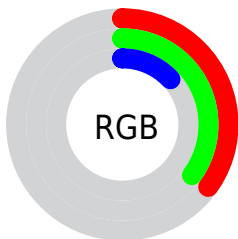
Format	Color
R_{YB}	33, 90, 35
Decimal	5790241
CIE _{Lab}	37.00, -9.41, 31.85
CIE _{LCh}	37, 33.208, 106.456
Yxy	9.5379, 0.3917, 0.4675
Android (android.graphics.Color)	4283980321 (0xFF585A21)
YUV	82.9040, -24.6027, 4.4692
Hunter-Lab	30.8835, -7.8595, 16.1057

Details

The CIELCh color **37, 33.208, 106.456** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **16, 39.397, 299.977**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 33.296, 106.198**, and **17, 26.064, 109.297** is the 20% darker color. If you saturate the color by 10%, you get **37, 37.418, 105.853**, and if you desaturate by 10%, it is **37, 28.492, 107.166**.

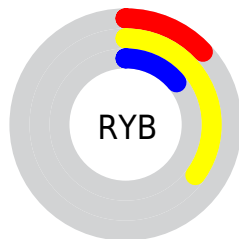
Distribution



Red (35%)

Green (35%)

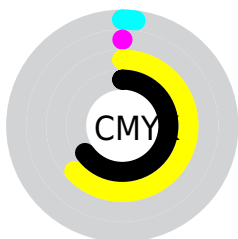
Blue (13%)



Red (13%)

Yellow (35%)

Blue (14%)

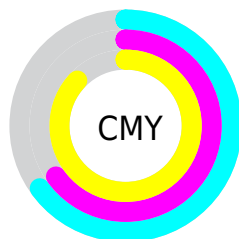


Cyan (2%)

Magenta (0%)

Yellow (63%)

Black (65%)



Cyan (65%)


Magenta (65%)


Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 33.208, 106.456 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, 33.208, 106.456 by changing the saturation by 10% instead.

 37, 33.208,
106.456


 37, 33.208,
106.456

 100, 33.208,
106.456


 27, 33.208,
106.456

 57, 33.208,
106.456


 17, 33.208,
106.456


 67, 33.208,
106.456

 7, 33.208, 106.456

 77, 33.208,
106.456

 0, 33.208, 106.456

 87, 33.208,
106.456

 97, 33.208,
106.456

■ 37, 33.208,
106.456

■ 37, 33.208,
106.456

■ 37, 37.418,
105.853

■ 37, 28.492,
107.166

■ 37, 40.908,
105.390

■ 37, 23.440,
107.944

■ 37, 43.583,
105.083

■ 37, 18.171,
108.763

■ 37, 45.421,
104.867

■ 38, 12.770,
109.603

■ 38, 7.292, 110.447

■ 38, 1.772, 111.273

■ 39, 3.763, 292.119

■ 39, 9.296, 292.912

■ 39, 14.814,

293.680

Harmonies

Complementary

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



37, 33.208, 106.456



16, 39.397, 299.977

Rectangle

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



37, 33.208, 106.456



37, 33.208, 156.456



37, 33.208, 286.456



37, 33.208, 336.456

Sweetspot

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



37, 33.208, 106.458



49, 12.999, 109.908



22, 28.806, 28.929



24, 8.850, 109.752



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, 33.208, 106.458



48, 47.344, 105.591



35, 36.372, 127.635



19, 3.139, 110.813



44, 52.092, 104.917



90, 91.828, 105.050

Inverse Universe

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



16, 39.397, 299.977



18, 59.683, 302.812



20, 39.386, 313.000



17, 3.201, 292.343



10, 71.638, 306.478



30, 126.507, 306.363

Previews

White Background



This preview shows how the CIELCh color 37, 33.208, 106.456 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, 33.208, 106.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

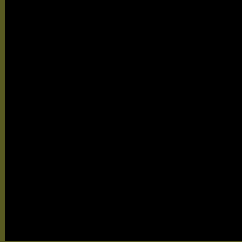
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 33.208, 106.456

Background



This preview shows how black text looks on a background with the CIELCh color 37, 33.208, 106.456.



This preview shows how white text looks on a background with the CIELCh color 37, 33.208, 106.456.

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

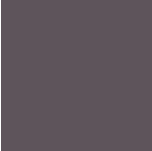
37, 33.208, 106.456

Protanopia

37, 32.706, 95.938

Deuteranopia

37, 31.225, 81.419



Tritanopia
37, 6.078, 334.928

Trichromacy



Original Color
37, 33.208, 106.456

Protanomaly
37, 32.897, 99.505

Deuteranomaly
37, 31.281, 91.125

Tritanomaly
37, 10.223, 92.958

Monochromacy



Original Color
37, 33.208, 106.456

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 12.914, 110.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 33.208, 106.456 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(88, 90, 33)` looks like.

```
.text, #text, p{  
    color:rgb(88, 90, 33)  
}
```

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(88, 90, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 90, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 33.208, 106.456 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(88, 90, 33) }
```

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

```
.border{ border-color:rgb(88, 90, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 90, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 90, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 90, 33);  
box-shadow:4px 4px 4px 4px rgb(88, 90, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 33.208, 106.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 90, 33) }
```

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

```
.background{ background-color: rgb(88, 90,  
33) }
```

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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