

Converting Colors

CIELCh(37, 17.245, 47.612)

Have a look what the booklet for
CIELCh(37, 17.245, 47.612) contains.

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Color

CIELCh(37, 17.362, 48.270)

Conversions

Conversions Part 1

Format	Color
Hex	705043
RGB	112, 80, 67
RGB Percent	44%, 31%, 26%
CMY	0.5617, 0.6871, 0.7381
CMYK	0.00, 0.29, 0.40, 0.56
HSL	17°, 25%, 35%
HSV	17°, 40%, 44%
XYZ	10.5121, 9.5379, 6.5643
YIQ	88.0860, 23.2450, 2.7410

Conversions

Conversions Part 2

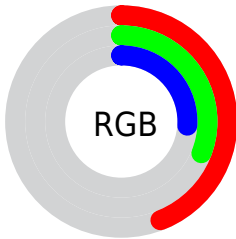
Format	Color
R_{YB}	112, 85, 67
Decimal	7360579
CIE Lab	37.00, 11.56, 12.96
CIE LCh	37, 17.362, 48.270
Yxy	9.5379, 0.3950, 0.3584
Android (android.graphics.Color)	4285550659 (0xFF705043)
YUV	88.0860, -10.3954, 20.9726
Hunter-Lab	30.8835, 6.7113, 9.0164

Details

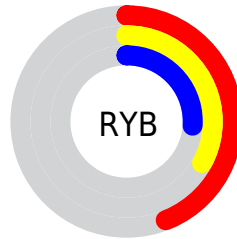
The CIELCh color **37, 17.362, 48.270** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 13.604, 234.183**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 17.451, 47.601**, and **17, 17.205, 47.998** is the 20% darker color. If you saturate the color by 10%, you get **35, 22.497, 48.037**, and if you desaturate by 10%, it is **39, 12.567, 48.622**.

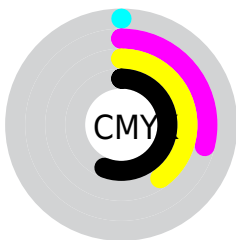
Distribution



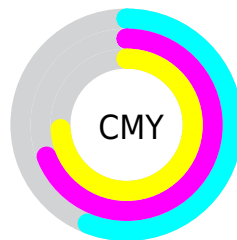
- Red (44%)
- Green (31%)
- Blue (26%)



- Red (44%)
- Yellow (33%)
- Blue (26%)



- Cyan (0%)
- Magenta (29%)
- Yellow (40%)
- Black (56%)



- Cyan (56%)
- Magenta (69%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 17.362, 48.270 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, 17.362, 48.270 by changing the saturation by 10% instead.

■ 37, 17.362, 48.270

■ 37, 17.362, 48.270

■ 100, 17.362,
48.270

■ 27, 17.362, 48.270

■ 57, 17.362, 48.270

■ 17, 17.362, 48.270

■ 67, 17.362, 48.270

■ 7, 17.362, 48.270

■ 77, 17.362, 48.270

■ 0, 17.362, 48.270

■ 87, 17.362, 48.270

■ 97, 17.362, 48.270

■ 37, 17.362, 48.270

■ 37, 17.362, 48.270

■ 35, 22.497, 48.037

■ 39, 12.567, 48.622

■ 32, 27.958, 47.917

■ 42, 8.104, 49.052

■ 30, 33.682, 47.903

■ 44, 3.953, 49.526

■ 28, 39.515, 47.925

■ 47, 0.087, 46.345

■ 27, 45.089, 47.758

■ 50, 3.523, 230.881

■ 25, 49.716, 47.210

■ 52, 6.903, 231.465

■ 55, 10.081,
232.092

■ 58, 13.081,
232.731

■ 60, 15.924,
233.370

Harmonies

Complementary

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



37, 17.362, 48.270



40, 13.604, 234.183

Rectangle

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



37, 17.362, 48.270



37, 17.362, 98.270



37, 17.362, 228.270



37, 17.362, 278.270

Sweetspot

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



37, 17.361, 48.276



56, 5.790, 49.428



35, 26.893, 336.396



29, 3.883, 49.384



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



37, 17.361, 48.276



45, 26.565, 48.055



43, 21.396, 94.819



22, 2.168, 49.582



27, 52.855, 47.390



56, 93.561, 46.328

Inverse Universe

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



40, 13.604, 234.183



50, 19.490, 235.700



33, 22.316, 285.226



23, 2.070, 230.883



34, 27.127, 251.965



68, 47.421, 255.029

Previews

White Background



This preview shows how the CIELCh color 37, 17.362, 48.270 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, 17.362, 48.270 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, 17.362, 48.270

Background



This preview shows how black text looks on a background with the CIELCh color 37, 17.362, 48.270.

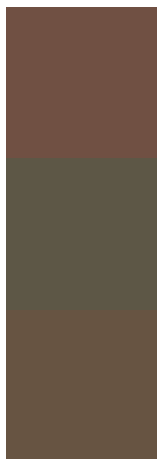


This preview shows how white text looks on a background with the CIELCh color 37, 17.362, 48.270.

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, 17.362, 48.270

Protanopia

37, 10.795, 93.705

Deuteranopia

37, 14.362, 69.820



Tritanopia
37, 16.369, 9.150

Trichromacy



Original Color
37, 17.362, 48.270

Protanomaly
37, 11.939, 70.123

Deuteranomaly
37, 15.210, 60.354

Tritanomaly
37, 16.003, 23.992

Monochromacy



Original Color
37, 17.362, 48.270

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.168, 49.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 17.362, 48.270 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(112, 80, 67)` looks like.

```
.text, #text, p{  
    color:rgb(112, 80, 67)  
}
```

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(112, 80, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 80, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 17.362, 48.270 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(112, 80, 67) }
```

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

```
.border{ border-color:rgb(112, 80, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 80, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 80, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 80, 67);  
box-shadow:4px 4px 4px 4px rgb(112, 80,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 17.362, 48.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 80, 67) }
```

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

```
.background{ background-color: rgb(112, 80,  
67) }
```

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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