

Converting Colors

CIELCh(33, 29.727, 41.988)

Have a look what the booklet for
CIELCh(33, 29.727, 41.988) contains.

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Color

CIELCh(33, 29.654, 42.636)

Conversions

Conversions Part 1

Format	Color
Hex	753F2F
RGB	117, 63, 47
RGB Percent	46%, 25%, 18%
CMY	0.5413, 0.7530, 0.8158
CMYK	0.00, 0.46, 0.60, 0.54
HSL	14°, 43%, 32%
HSV	14°, 60%, 46%
XYZ	9.6210, 7.5373, 3.6347
YIQ	77.3220, 37.3200, 6.4720

Conversions

Conversions Part 2

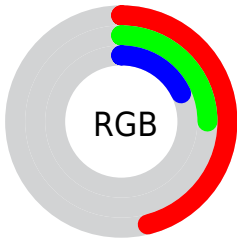
Format	Color
R_{YB}	117, 68, 47
Decimal	7683887
CIE Lab	33.00, 21.82, 20.09
CIE LCh	33, 29.654, 42.636
Yxy	7.5373, 0.4627, 0.3625
Android (android.graphics.Color)	4285873967 (0xFF753F2F)
YUV	77.3220, -14.9487, 34.7976
Hunter-Lab	27.4541, 14.5090, 11.3684

Details

The CIELCh color **33, 29.654, 42.636** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 19.256, 228.436**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 29.623, 43.377**, and **13, 29.470, 42.365** is the 20% darker color. If you saturate the color by 10%, you get **31, 35.792, 43.147**, and if you desaturate by 10%, it is **35, 23.799, 42.308**.

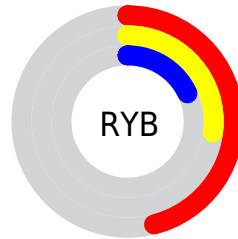
Distribution



Red (46%)

Green (25%)

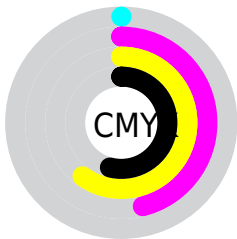
Blue (18%)



Red (46%)

Yellow (27%)

Blue (18%)

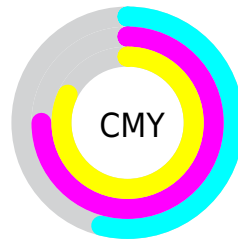


Cyan (0%)

Magenta (46%)

Yellow (60%)

Black (54%)



Cyan (54%)

Magenta (75%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 29.654, 42.636 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 33, 29.654, 42.636 by changing the saturation by 10% instead.

■ 33, 29.654, 42.636

■ 33, 29.654, 42.636

■ 100, 29.654,
42.636

■ 23, 29.654, 42.636

■ 53, 29.654, 42.636

■ 13, 29.654, 42.636

■ 63, 29.654, 42.636

■ 3, 29.654, 42.636

■ 73, 29.654, 42.636

■ 0, 29.654, 42.636

■ 83, 29.654, 42.636

■ 93, 29.654, 42.636

■ 33, 29.654, 42.636

■ 33, 29.654, 42.636

■ 31, 35.792, 43.147

■ 35, 23.799, 42.308

■ 29, 42.051, 43.771

■ 38, 18.300, 42.152

■ 27, 48.048, 44.289

■ 41, 13.177, 42.149

■ 25, 53.009, 44.295

■ 44, 8.423, 42.266

■ 25, 53.086, 44.300

■ 46, 4.018, 42.453

■ 49, 0.066, 228.339

■ 52, 3.860, 223.314

■ 55, 7.396, 223.677

■ 58, 10.703,
224.096

Harmonies

Complementary

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



33, 29.654, 42.636



40, 19.256, 228.436

Rectangle

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



33, 29.654, 42.636



33, 29.654, 92.636



33, 29.654, 222.636



33, 29.654, 272.636

Sweetspot

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



33, 29.653, 42.640



57, 9.472, 42.289



31, 41.850, 335.077



28, 6.603, 42.250



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 29.653, 42.640



40, 46.530, 43.391



42, 31.186, 87.515



23, 2.297, 42.467



27, 55.231, 44.466



55, 97.135, 43.955

Inverse Universe

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



40, 19.256, 228.436



50, 26.647, 231.488



29, 32.420, 285.646



24, 2.182, 223.304



37, 25.855, 240.048



73, 44.283, 242.658

Previews

White Background



This preview shows how the CIELCh color 33, 29.654, 42.636 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 33, 29.654, 42.636 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 33, 29.654, 42.636

Background



This preview shows how black text looks on a background with the CIELCh color 33, 29.654, 42.636.

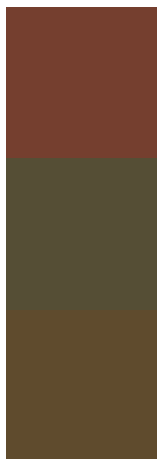


This preview shows how white text looks on a background with the CIELCh color 33, 29.654, 42.636.

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

33, 29.654, 42.636

Protanopia

33, 15.938, 95.138

Deuteranopia

33, 21.406, 78.857



Tritanopia
33, 26.750, 19.197

Trichromacy



Original Color
33, 29.654, 42.636

Protanomaly
33, 18.473, 67.690

Deuteranomaly
33, 22.966, 62.766

Tritanomaly
33, 27.380, 29.220

Monochromacy



Original Color
33, 29.654, 42.636

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 10.134, 42.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 29.654, 42.636 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(117, 63, 47)` looks like.

```
.text, #text, p{  
    color:rgb(117, 63, 47)  
}
```

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(117, 63, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 63, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 29.654, 42.636 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(117, 63, 47) }
```

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

```
.border{ border-color:rgb(117, 63, 47) }
```

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

Here you see how a box with a 4 pixel rgb(117, 63, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 63, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 63, 47);  
box-shadow:4px 4px 4px 4px rgb(117, 63,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 29.654, 42.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 63, 47) }
```

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

```
.background{ background-color: rgb(117, 63,  
47) }
```

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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