

Converting Colors

CIELCh(33, 27.083, 12.009)

Have a look what the booklet for
CIELCh(33, 27.083, 12.009) contains.

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Color

CIELCh(33, 27.006, 11.625)

Conversions

Conversions Part 1

Format	Color
Hex	763C46
RGB	118, 60, 70
RGB Percent	46%, 24%, 27%
CMY	0.5370, 0.7645, 0.7253
CMYK	0.00, 0.49, 0.41, 0.54
HSL	350°, 33%, 35%
HSV	350°, 49%, 46%
XYZ	10.2068, 7.5373, 6.7209
YIQ	78.4820, 31.3580, 15.4060

Conversions

Conversions Part 2

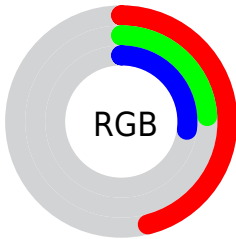
Format	Color
R_{YB}	118, 60, 70
Decimal	7748678
CIE _{Lab}	33.00, 26.45, 5.44
CIE _{LCh}	33, 27.006, 11.625
Yxy	7.5373, 0.4172, 0.3081
Android (android.graphics.Color)	4285938758 (0xFF763C46)
YUV	78.4820, -4.1816, 34.6573
Hunter-Lab	27.4541, 18.3177, 4.7034

Details

The CIELCh color **33, 27.006, 11.625** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **46, 21.648, 180.970**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 26.843, 11.879**, and **13, 27.354, 11.583** is the 20% darker color. If you saturate the color by 10%, you get **30, 32.773, 13.865**, and if you desaturate by 10%, it is **36, 21.176, 9.832**.

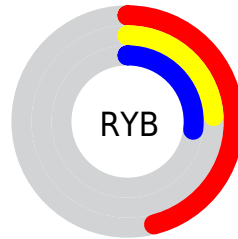
Distribution



Red (46%)

Green (24%)

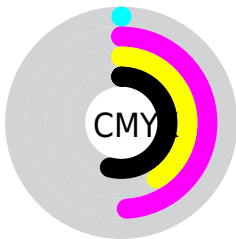
Blue (27%)



Red (46%)

Yellow (24%)

Blue (27%)

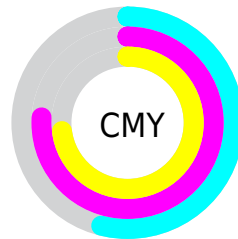


Cyan (0%)

Magenta (49%)

Yellow (41%)

Black (54%)



Cyan (54%)

Magenta (76%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 27.006, 11.625 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, 27.006, 11.625 by changing the saturation by 10% instead.

■ 33, 27.006, 11.625

■ 33, 27.006, 11.625

■ 100, 27.006,
11.625

■ 23, 27.006, 11.625

■ 53, 27.006, 11.625

■ 13, 27.006, 11.625

■ 63, 27.006, 11.625

■ 3, 27.006, 11.625

■ 73, 27.006, 11.625

■ 0, 27.006, 11.625

■ 83, 27.006, 11.625

■ 93, 27.006, 11.625

■ 33, 27.006, 11.625

■ 33, 27.006, 11.625

■ 30, 32.773, 13.865

■ 36, 21.176, 9.832

■ 28, 38.291, 16.670

■ 39, 15.439, 8.369

■ 26, 43.364, 20.164

■ 43, 9.895, 7.154

■ 24, 47.862, 24.397

■ 46, 4.599, 6.103

■ 23, 52.080, 28.808

■ 50, 0.425, 186.147

■ 23, 52.468, 29.148

■ 54, 5.176, 184.640

■ 57, 9.665, 183.955

■ 61, 13.910,
183.364

■ 65, 17.933,
182.840

Harmonies

Complementary

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



33, 27.006, 11.625



46, 21.648, 180.970

Rectangle

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



33, 27.006, 11.625



33, 27.006, 61.625



33, 27.006, 191.625



33, 27.006, 241.625

Sweetspot

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



33, 27.004, 11.628



57, 9.501, 6.746



33, 39.711, 321.331



28, 6.472, 6.922



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, 27.004, 11.628



39, 40.454, 14.204



37, 22.735, 50.804



23, 2.820, 6.093



24, 53.945, 29.375



52, 94.178, 32.504

Inverse Universe

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



33, 27.004, 11.628



39, 40.454, 14.204



40, 16.964, 239.846



23, 2.820, 6.093



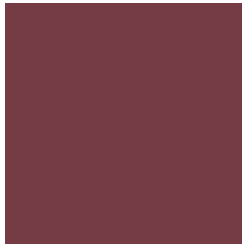
24, 53.945, 29.375



52, 94.178, 32.504

Previews

White Background



This preview shows how the CIELCh color 33, 27.006, 11.625 looks on a white background.

Color Contrast Check

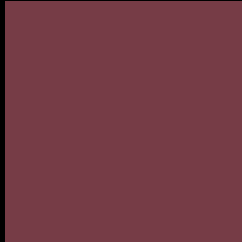
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 27.006, 11.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

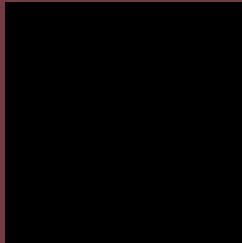
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 27.006, 11.625

Background



This preview shows how black text looks on a background with the CIELCh color 33, 27.006, 11.625.



This preview shows how white text looks on a background with the CIELCh color 33, 27.006, 11.625.

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, 27.006, 11.625

Protanopia

33, 1.339, 309.121

Deuteranopia

33, 8.244, 52.215



Tritanopia
33, 26.750, 19.197

Trichromacy



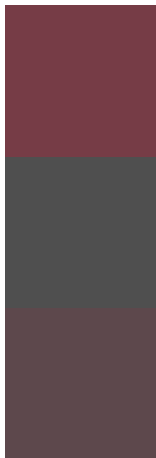
Original Color
33, 27.006, 11.625

Protanomaly
33, 10.302, 3.462

Deuteranomaly
33, 13.958, 24.204

Tritanomaly
33, 26.606, 16.558

Monochromacy



Original Color
33, 27.006, 11.625

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 9.708, 6.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 27.006, 11.625 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(118, 60, 70)` looks like.

```
.text, #text, p{  
    color:rgb(118, 60, 70)  
}
```

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(118, 60, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 60, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 27.006, 11.625 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(118, 60, 70) }
```

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

```
.border{ border-color:rgb(118, 60, 70) }
```

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

Here you see how a box with a 4 pixel rgb(118, 60, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 60, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 60, 70);  
box-shadow:4px 4px 4px 4px rgb(118, 60,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 27.006, 11.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 60, 70) }
```

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

```
.background{ background-color: rgb(118, 60,  
70) }
```

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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