

Converting Colors

CIELCh(27, 30.749, 25.133)

Have a look what the booklet for
CIELCh(27, 30.749, 25.133) contains.

CIELCh(27, 30.749, 25.133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(27, 30.749, 25.133)

Conversions

Conversions Part 1

Format	Color
Hex	6A2C2D
RGB	106, 44, 45
RGB Percent	42%, 17%, 18%
CMY	0.5832, 0.8264, 0.8226
CMYK	0.00, 0.58, 0.57, 0.58
HSL	359°, 41%, 30%
HSV	359°, 58%, 42%
XYZ	7.3669, 5.0937, 3.1012
YIQ	62.6520, 36.6310, 13.4550

Conversions

Conversions Part 2

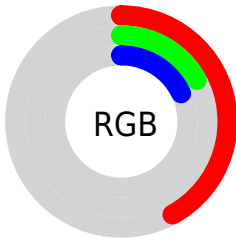
Format	Color
RYB	106, 44, 45
Decimal	6958125
CIELab	27.00, 27.84, 13.06
CIELCh	27, 30.749, 25.133
Yxy	5.0937, 0.4734, 0.3273
Android (android.graphics.Color)	4285148205 (0xFF6A2C2D)
YUV	62.6520, -8.7024, 38.0162
Hunter-Lab	22.5692, 18.7688, 7.6515

Details

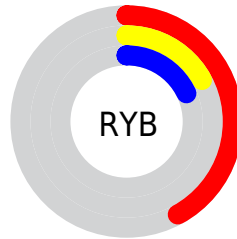
The CIELCh color **27, 30.749, 25.133** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **41, 20.723, 195.339**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 30.889, 24.694**, and **7, 29.291, 23.319** is the 20% darker color. If you saturate the color by 10%, you get **25, 36.659, 27.673**, and if you desaturate by 10%, it is **30, 24.860, 23.124**.

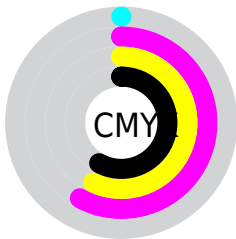
Distribution



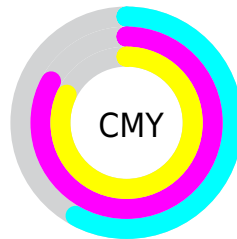
- Red (42%)
- Green (17%)
- Blue (18%)



- Red (42%)
- Yellow (17%)
- Blue (18%)



- Cyan (0%)
- Magenta (58%)
- Yellow (57%)
- Black (58%)



- Cyan (58%)
- Magenta (83%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 30.749, 25.133 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 27, 30.749, 25.133 by changing the saturation by 10% instead.

■ 27, 30.749, 25.133

■ 27, 30.749, 25.133

■ 100, 30.749,
25.133

■ 17, 30.749, 25.133

■ 47, 30.749, 25.133

■ 7, 30.749, 25.133

■ 57, 30.749, 25.133

■ 0, 30.749, 25.133

■ 67, 30.749, 25.133

■ 77, 30.749, 25.133

■ 87, 30.749, 25.133

■ 97, 30.749, 25.133

■ 27, 30.749, 25.133

■ 27, 30.749, 25.133

25, 36.659, 27.673

30, 24.860, 23.124

23, 42.406, 30.765

33, 19.141, 21.549

22, 47.561, 33.961

36, 13.688, 20.315

21, 51.360, 35.651

39, 8.554, 19.338

20, 51.977, 35.865

42, 3.757, 18.526

45, 0.709, 198.499

49, 4.863, 197.589

52, 8.733, 197.156

56, 12.347,
196.812

Harmonies

Complementary

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



27, 30.749, 25.133



41, 20.723, 195.339

Rectangle

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



27, 30.749, 25.133



27, 30.749, 75.133



27, 30.749, 205.133



27, 30.749, 255.133

Sweetspot

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



27, 30.747, 25.136



50, 10.376, 19.350



29, 43.754, 326.740



24, 7.213, 19.547



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



27, 30.747, 25.136



32, 46.626, 28.710



34, 25.178, 66.874



21, 2.546, 18.574



23, 56.536, 36.962



51, 100.755, 39.543

Inverse Universe

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



27, 30.747, 25.136



32, 46.626, 28.710



31, 21.060, 264.486



21, 2.546, 18.574



23, 56.536, 36.962



51, 100.755, 39.543

Previews

White Background



This preview shows how the CIELCh color 27, 30.749, 25.133 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 27, 30.749, 25.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

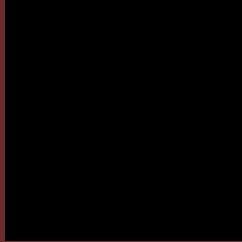
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 30.749, 25.133

Background



This preview shows how black text looks on a background with the CIELCh color 27, 30.749, 25.133.



This preview shows how white text looks on a background with the CIELCh color 27, 30.749, 25.133.

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

27, 30.749, 25.133

Protanopia

28, 7.239, 97.409

Deuteranopia

27, 15.402, 75.711



Tritanopia
27, 30.407, 22.823

Trichromacy



Original Color
27, 30.749, 25.133

Protanomaly
27, 13.023, 38.666

Deuteranomaly
27, 18.760, 48.041

Tritanomaly
27, 30.571, 23.985

Monochromacy



Original Color
27, 30.749, 25.133

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 10.952, 18.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 30.749, 25.133 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(106, 44, 45)` looks like.

```
.text, #text, p{  
    color:rgb(106, 44, 45)  
}
```

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(106, 44, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 44, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 30.749, 25.133 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(106, 44, 45) }
```

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

```
.border{ border-color:rgb(106, 44, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 44, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 44, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 44, 45);  
box-shadow:4px 4px 4px 4px rgb(106, 44,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 30.749, 25.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 44, 45) }
```

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

```
.background{ background-color: rgb(106, 44,  
45) }
```

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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