

Converting Colors

CIELCh(27, 13.159, 40.635)

Have a look what the booklet for
CIELCh(27, 13.159, 40.635) contains.

CIELCh(27, 13.262, 41.152)	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, 13.262, 41.152)

Conversions

Conversions Part 1

Format	Color
Hex	533A33
RGB	83, 58, 51
RGB Percent	33%, 23%, 20%
CMY	0.6748, 0.7728, 0.8002
CMYK	0.00, 0.30, 0.39, 0.67
HSL	13°, 24%, 26%
HSV	13°, 39%, 33%
XYZ	5.6668, 5.0937, 3.8091
YIQ	64.6770, 17.1470, 3.1230

Conversions

Conversions Part 2

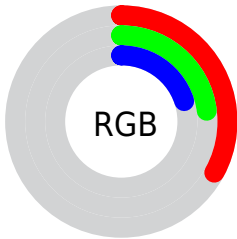
Format	Color
RYB	83, 60, 51
Decimal	5454387
CIELab	27.00, 9.99, 8.73
CIElCh	27, 13.262, 41.152
Yxy	5.0937, 0.3889, 0.3496
Android (android.graphics.Color)	4283644467 (0xFF533A33)
YUV	64.6770, -6.7428, 16.0693
Hunter-Lab	22.5692, 5.3229, 5.7919

Details

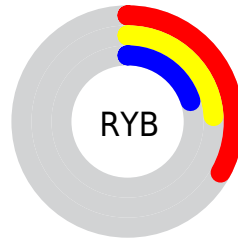
The CIELCh color **27, 13.262, 41.152** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31, 10.377, 223.866**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 13.198, 41.493**, and **7, 13.472, 41.221** is the 20% darker color. If you saturate the color by 10%, you get **25, 17.337, 41.320**, and if you desaturate by 10%, it is **29, 9.458, 41.135**.

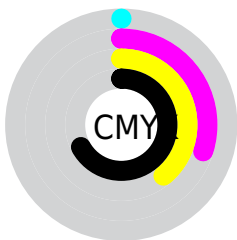
Distribution



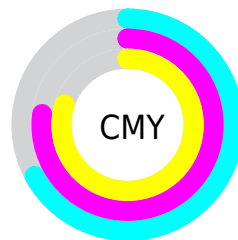
- Red (33%)
- Green (23%)
- Blue (20%)



- Red (33%)
- Yellow (24%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (39%)
- Black (67%)



- Cyan (67%)
- Magenta (77%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 13.262, 41.152 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, 13.262, 41.152 by changing the saturation by 10% instead.

■ 27, 13.262, 41.152

■ 27, 13.262, 41.152

■ 100, 13.262,
41.152

■ 17, 13.262, 41.152

■ 47, 13.262, 41.152

■ 7, 13.262, 41.152

■ 57, 13.262, 41.152

■ 0, 13.262, 41.152

■ 67, 13.262, 41.152

■ 77, 13.262, 41.152

■ 87, 13.262, 41.152

■ 97, 13.262, 41.152

■ 27, 13.262, 41.152

■ 27, 13.262, 41.152

■ 25, 17.337, 41.320

■ 29, 9.458, 41.135

■ 23, 21.678, 41.647

■ 31, 5.921, 41.219

■ 21, 26.249, 42.149

■ 33, 2.634, 41.352

■ 20, 30.954, 42.778

■ 36, 0.423, 222.401

■ 18, 34.922, 42.225

■ 38, 3.271, 222.130

■ 17, 38.272, 41.494

■ 40, 5.932, 222.447

■ 17, 38.731, 41.457

■ 42, 8.426, 222.815

■ 45, 10.773,
223.207

■ 47, 12.989,
223.613

Harmonies

Complementary

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



27, 13.262, 41.152



31, 10.377, 223.866

Rectangle

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



27, 13.262, 41.152



27, 13.262, 91.152



27, 13.262, 221.152



27, 13.262, 271.152

Sweetspot

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



27, 13.261, 41.158



42, 4.617, 41.303



26, 21.136, 333.446



20, 3.033, 41.295



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 13.261, 41.158



33, 20.203, 41.296



32, 15.104, 90.488



15, 1.694, 41.351



22, 48.192, 43.284



51, 92.113, 43.735

Inverse Universe

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



31, 10.377, 223.866



39, 14.762, 224.796



25, 15.317, 280.427



16, 1.615, 222.080



32, 22.907, 237.216



69, 41.488, 240.333

Previews

White Background



This preview shows how the CIE LCh color 27, 13.262, 41.152 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, 13.262, 41.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

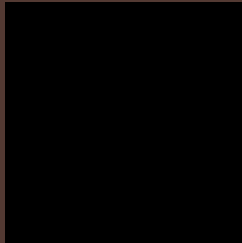
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 13.262, 41.152

Background



This preview shows how black text looks on a background with the CIELCh color 27, 13.262, 41.152.

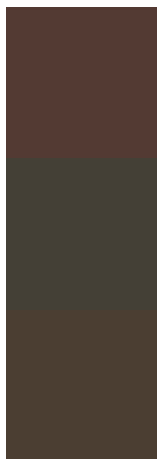


This preview shows how white text looks on a background with the CIELCh color 27, 13.262, 41.152.

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, 13.262, 41.152

Protanopia

27, 6.743, 92.504

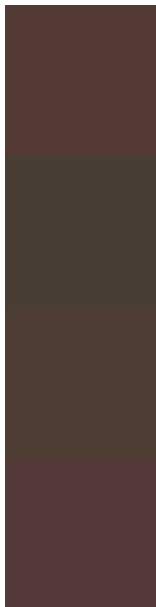
Deuteranopia

27, 10.125, 69.597



Tritanopia
27, 12.872, 10.443

Trichromacy



Original Color
27, 13.262, 41.152

Protanomaly
27, 7.927, 66.994

Deuteranomaly
27, 11.108, 59.858

Tritanomaly
27, 12.928, 21.832

Monochromacy



Original Color
27, 13.262, 41.152

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 4.831, 35.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 13.262, 41.152 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(83, 58, 51)` looks like.

```
.text, #text, p{  
    color:rgb(83, 58, 51)  
}
```

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(83, 58, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 58, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 13.262, 41.152 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(83, 58, 51) }
```

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

```
.border{ border-color:rgb(83, 58, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 58, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 58, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 58, 51);  
box-shadow:4px 4px 4px 4px rgb(83, 58, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 13.262, 41.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 58, 51) }
```

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

```
.background{ background-color: rgb(83, 58,  
51) }
```

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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