

Converting Colors

CIELCh(27, 55.063, 28.415)

Have a look what the booklet for
CIELCh(27, 55.063, 28.415) contains.

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Color

CIELCh(27, 55.167, 28.436)

Conversions

Conversions Part 1

Format	Color
Hex	84061B
RGB	132, 6, 27
RGB Percent	52%, 2%, 11%
CMY	0.4837, 0.9749, 0.8951
CMYK	0.00, 0.95, 0.80, 0.48
HSL	350°, 91%, 27%
HSV	350°, 95%, 52%
XYZ	9.7246, 5.0937, 1.4929
YIQ	46.0680, 68.3550, 33.2430

Conversions

Conversions Part 2

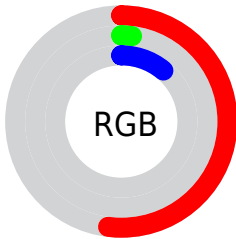
Format	Color
RYB	132, 6, 27
Decimal	8652315
CIELab	27.00, 48.51, 26.27
CIELCh	27, 55.167, 28.436
Yxy	5.0937, 0.5962, 0.3123
Android (android.graphics.Color)	4286842395 (0xFF84061B)
YUV	46.0680, -9.4005, 75.3624
Hunter-Lab	22.5692, 37.4163, 11.8766

Details

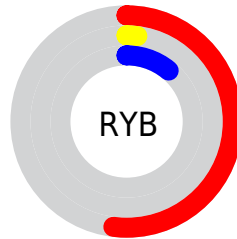
The CIELCh color **27, 55.167, 28.436** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **49, 35.397, 176.021**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 55.574, 28.372**, and **12, 38.065, 30.569** is the 20% darker color. If you saturate the color by 10%, you get **27, 57.427, 30.508**, and if you desaturate by 10%, it is **28, 50.569, 23.789**.

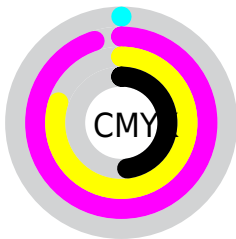
Distribution



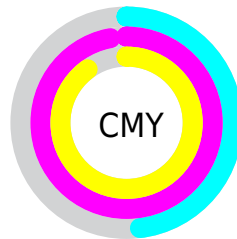
- Red (52%)
- Green (2%)
- Blue (11%)



- Red (52%)
- Yellow (2%)
- Blue (11%)



- Cyan (0%)
- Magenta (95%)
- Yellow (80%)
- Black (48%)



- Cyan (48%)
- Magenta (97%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 55.167, 28.436 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, 55.167, 28.436 by changing the saturation by 10% instead.

■ 27, 55.167, 28.436

■ 27, 55.167, 28.436

■ 100, 55.167,
28.436

■ 17, 55.167, 28.436

■ 47, 55.167, 28.436

■ 7, 55.167, 28.436

■ 57, 55.167, 28.436

■ 0, 55.167, 28.436

■ 67, 55.167, 28.436

■ 77, 55.167, 28.436

■ 87, 55.167, 28.436

■ 97, 55.167, 28.436

■ 27, 55.167, 28.436

■ 27, 55.167, 28.436

27, 57.427, 30.508

28, 50.569, 23.789

30, 45.360, 19.740

32, 39.569, 16.436

35, 33.372, 13.800

38, 26.990, 11.703

42, 20.621, 10.018

45, 14.412, 8.643

49, 8.453, 7.494

53, 2.790, 6.451

Harmonies

Complementary

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



27, 55.167, 28.436



49, 35.397, 176.021

Rectangle

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



27, 55.167, 28.436



27, 55.167, 78.436



27, 55.167, 208.436



27, 55.167, 258.436

Sweetspot

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



27, 55.165, 28.438



56, 20.805, 9.232



27, 70.338, 322.174



27, 14.509, 9.751



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



27, 55.165, 28.438



35, 70.346, 31.801



32, 53.237, 50.136



26, 3.117, 6.874



26, 56.888, 30.439



0, 0.729, 6.149

Inverse Universe

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



27, 55.165, 28.438



35, 70.346, 31.801



36, 30.170, 258.342



26, 3.117, 6.874



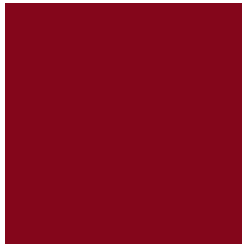
26, 56.888, 30.439



0, 0.729, 6.149

Previews

White Background



This preview shows how the CIELCh color 27, 55.167, 28.436 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, 55.167, 28.436 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, 55.167, 28.436

Background



This preview shows how black text looks on a background with the CIELCh color 27, 55.167, 28.436.



This preview shows how white text looks on a background with the CIELCh color 27, 55.167, 28.436.

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, 55.289, 28.289

Protanopia

28, 16.822, 96.571

Deuteranopia

28, 30.547, 82.699



Tritanopia
27, 59.679, 38.660

Trichromacy



Original Color
27, 55.289, 28.289

Protanomaly
25, 26.696, 36.823

Deuteranomaly
25, 36.176, 45.991

Tritanomaly
27, 57.984, 35.605

Monochromacy



Original Color
27, 55.289, 28.289

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 22.736, 14.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 55.167, 28.436 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(132, 6, 27)` looks like.

```
.text, #text, p{  
    color:rgb(132, 6, 27)  
}
```

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(132, 6, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 6, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 55.167, 28.436 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(132, 6, 27) }
```

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

```
.border{ border-color:rgb(132, 6, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 6, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 6, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 6, 27);  
box-shadow:4px 4px 4px 4px rgb(132, 6, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 55.167, 28.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 6, 27) }
```

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

```
.background{ background-color: rgb(132, 6,  
27) }
```

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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