

Converting Colors

CIELCh(27, 36.702, 2.039)

Have a look what the booklet for
CIELCh(27, 36.702, 2.039) contains.

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Color

CIELCh(27, 36.846, 1.969)

Conversions

Conversions Part 1

Format	Color
Hex	71233F
RGB	113, 35, 63
RGB Percent	44%, 14%, 25%
CMY	0.5562, 0.8621, 0.7524
CMYK	0.00, 0.69, 0.44, 0.56
HSL	338°, 53%, 29%
HSV	338°, 69%, 44%
XYZ	8.3383, 5.0937, 5.2669
YIQ	61.5140, 37.5000, 25.2440

Conversions

Conversions Part 2

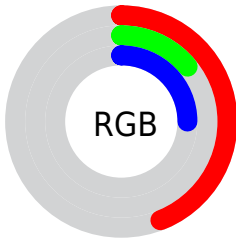
Format	Color
R_{YB}	113, 35, 63
Decimal	7414591
CIE _{Lab}	27.00, 36.82, 1.27
CIE _{LCh}	27, 36.846, 1.969
Yxy	5.0937, 0.4459, 0.2724
Android (android.graphics.Color)	4285604671 (0xFF71233F)
YUV	61.5140, 0.7326, 45.1532
Hunter-Lab	22.5692, 26.4520, 1.9622

Details

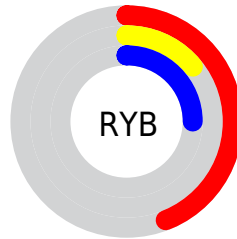
The CIELCh color **27, 36.846, 1.969** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 32.072, 164.210**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 36.860, 2.313**, and **9, 30.406, 8.841** is the 20% darker color. If you saturate the color by 10%, you get **25, 40.814, 4.875**, and if you desaturate by 10%, it is **29, 32.120, 359.648**.

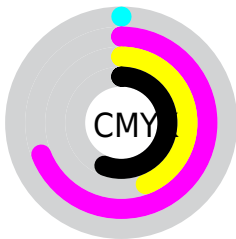
Distribution



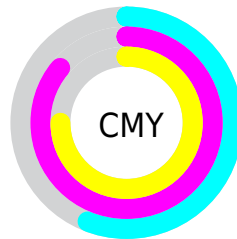
- Red (44%)
- Green (14%)
- Blue (25%)



- Red (44%)
- Yellow (14%)
- Blue (25%)



- Cyan (0%)
- Magenta (69%)
- Yellow (44%)
- Black (56%)



- Cyan (56%)
- Magenta (86%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 36.846, 1.969 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, 36.846, 1.969 by changing the saturation by 10% instead.

 27, 36.846, 1.969  27, 36.846, 1.969

 100, 36.846, 1.969  17, 36.846, 1.969

 47, 36.846, 1.969  7, 36.846, 1.969

 57, 36.846, 1.969  0, 36.846, 1.969

 67, 36.846, 1.969

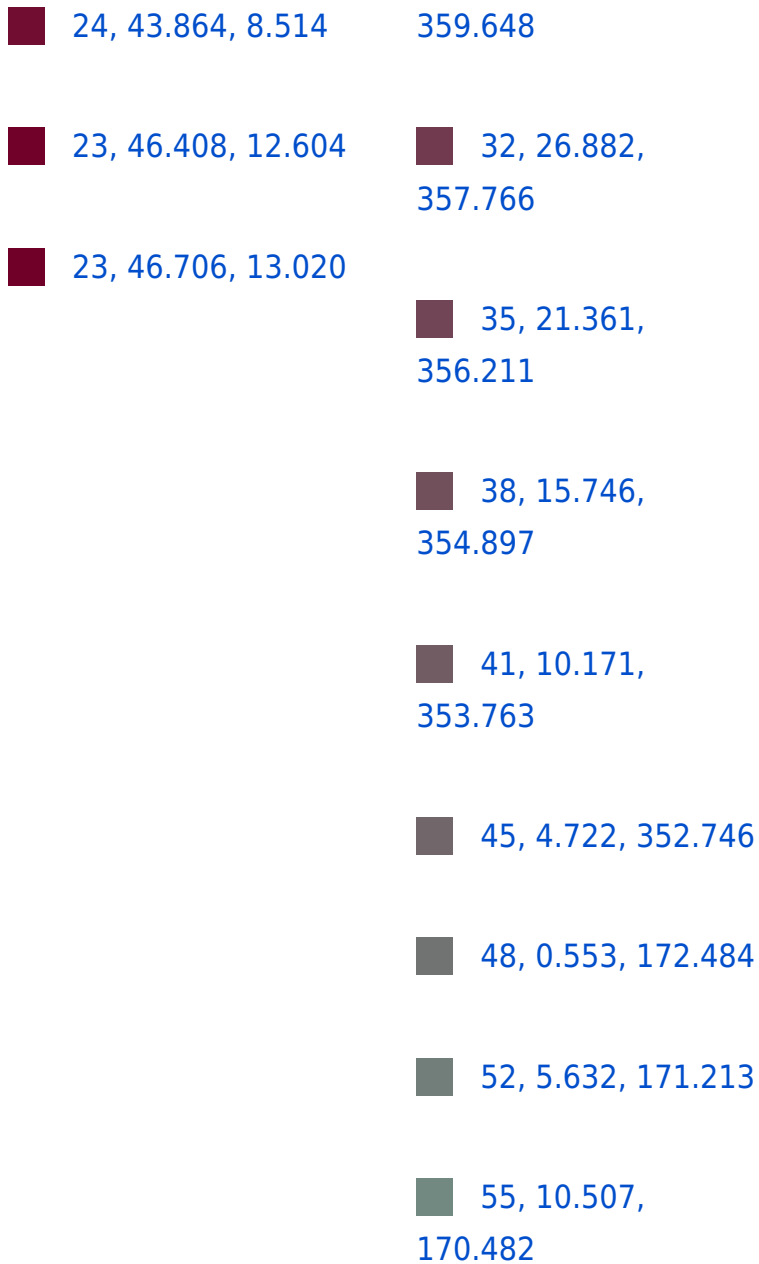
 77, 36.846, 1.969

 87, 36.846, 1.969

 97, 36.846, 1.969

 27, 36.846, 1.969  27, 36.846, 1.969

 25, 40.814, 4.875  29, 32.120,



Harmonies

Complementary

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



27, 36.846, 1.969



43, 32.072, 164.210

Rectangle

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



27, 36.846, 1.969



27, 36.846, 51.969



27, 36.846, 181.969



27, 36.846, 231.969

Sweetspot

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



27, 36.844, 1.971



52, 14.107, 354.047



25, 51.470, 316.184



26, 9.513, 354.276



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



27, 36.844, 1.971



33, 51.969, 7.065



28, 36.182, 36.398



22, 2.954, 352.753



24, 48.702, 13.387



52, 84.034, 16.758

Inverse Universe

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



27, 36.844, 1.971



33, 51.969, 7.065



40, 21.139, 214.820



22, 2.954, 352.753



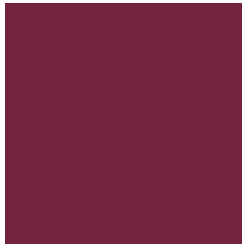
24, 48.702, 13.387



52, 84.034, 16.758

Previews

White Background



This preview shows how the CIE LCh color 27, 36.846, 1.969 looks on a white background.

Color Contrast Check

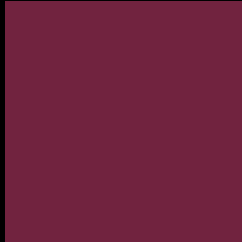
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.846, 1.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

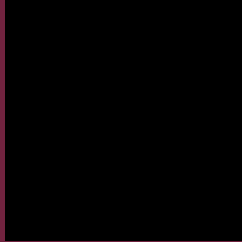
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 36.846, 1.969

Background



This preview shows how black text looks on a background with the CIELCh color 27, 36.846, 1.969.



This preview shows how white text looks on a background with the CIELCh color 27, 36.846, 1.969.

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, 36.846, 1.969

Protanopia

27, 10.442, 285.575

Deuteranopia

28, 5.361, 48.776



Tritanopia
27, 35.606, 25.833

Trichromacy



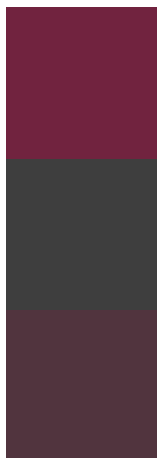
Original Color
27, 36.846, 1.969

Protanomaly
26, 17.163, 333.584

Deuteranomaly
27, 17.017, 5.475

Tritanomaly
27, 35.156, 16.415

Monochromacy



Original Color
27, 36.846, 1.969

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 14.773, 356.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 36.846, 1.969 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(113, 35, 63)` looks like.

```
.text, #text, p{  
    color:rgb(113, 35, 63)  
}
```

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(113, 35, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 35, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 36.846, 1.969 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(113, 35, 63) }
```

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

```
.border{ border-color:rgb(113, 35, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 35, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 35, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 35, 63);  
box-shadow:4px 4px 4px 4px rgb(113, 35,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 36.846, 1.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 35, 63) }
```

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

```
.background{ background-color: rgb(113, 35,  
63) }
```

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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