

Converting Colors

CIELCh(20, 74.172, 358.938)

Have a look what the booklet for
CIELCh(20, 74.172, 358.938)
contains.

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Color

CIELCh(27, 52.187, 10.254)

Conversions

Conversions Part 1

Format	Color
Hex	840034
RGB	132, 0, 52
RGB Percent	52%, 0%, 20%
CMY	0.4832, 1.0000, 0.7957
CMYK	0.00, 1.00, 0.60, 0.48
HSL	336°, 100%, 26%
HSV	336°, 100%, 52%
XYZ	10.0836, 5.0937, 3.7116
YIQ	45.3960, 61.9800, 44.1560

Conversions

Conversions Part 2

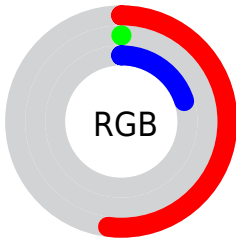
Format	Color
RYB	132, 0, 52
Decimal	8650804
CIELab	27.00, 51.35, 9.29
CIELCh	27, 52.187, 10.254
Yxy	5.0937, 0.5338, 0.2697
Android (android.graphics.Color)	4286840884 (0xFF840034)
YUV	45.3960, 3.2558, 75.9517
Hunter-Lab	22.5692, 40.2550, 6.0479

Details

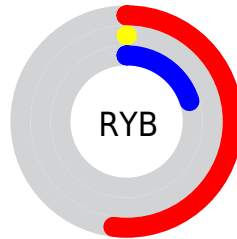
The CIELCh color **27, 52.187, 10.254** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 47.986, 155.777**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 52.093, 10.805**, and **13, 38.020, 27.925** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.863, 10.510**, and if you desaturate by 10%, it is **28, 49.568, 6.328**.

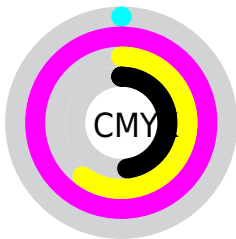
Distribution



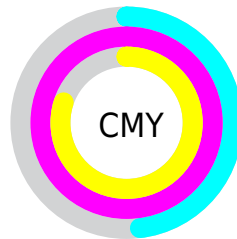
- Red (52%)
- Green (0%)
- Blue (20%)



- Red (52%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 52.187, 10.254 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, 52.187, 10.254 by changing the saturation by 10% instead.

 27, 52.187, 10.254

 27, 52.187, 10.254

 100, 52.187,
10.254

 17, 52.187, 10.254

 47, 52.187, 10.254

 7, 52.187, 10.254

 57, 52.187, 10.254

 0, 52.187, 10.254

 67, 52.187, 10.254

 77, 52.187, 10.254

 87, 52.187, 10.254

 97, 52.187, 10.254

 27, 52.187, 10.254

 27, 52.187, 10.254

27, 51.863, 10.510

28, 49.568, 6.328

30, 46.602, 2.662

32, 42.473,
359.747

34, 37.354,
357.425

37, 31.530,
355.546

40, 25.287,
353.993

44, 18.868,
352.681

47, 12.446,
351.547

51, 6.136, 350.533

Harmonies

Complementary

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



27, 52.187, 10.254



48, 47.986, 155.777

Rectangle

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



27, 52.187, 10.254



27, 52.187, 60.254



27, 52.187, 190.254



27, 52.187, 240.254

Sweetspot

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



27, 51.863, 10.510



56, 23.338, 352.764



21, 74.663, 314.714



27, 16.087, 353.219



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, 51.863, 10.510



36, 62.836, 11.794



27, 61.436, 40.537



26, 3.473, 350.448



27, 51.360, 10.437



0, 0.820, 349.703

Inverse Universe

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



27, 51.863, 10.510



36, 62.836, 11.794



45, 27.403, 213.640



26, 3.473, 350.448



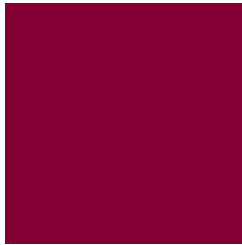
27, 51.360, 10.437



0, 0.820, 349.703

Previews

White Background



This preview shows how the CIELCh color 27, 52.187, 10.254 looks on a white background.

Color Contrast Check

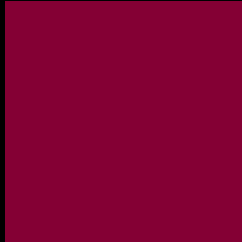
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.187, 10.254 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, 52.187, 10.254

Background



This preview shows how black text looks on a background with the CIELCh color 27, 52.187, 10.254.



This preview shows how white text looks on a background with the CIELCh color 27, 52.187, 10.254.

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, 51.931, 10.644

Protanopia

29, 5.818, 287.149

Deuteranopia

29, 14.714, 74.810



Tritanopia
28, 54.752, 34.789

Trichromacy



Original Color
27, 51.931, 10.644

Protanomaly
25, 25.400, 348.104

Deuteranomaly
25, 28.255, 17.371

Tritanomaly
27, 52.737, 26.141

Monochromacy



Original Color
27, 51.931, 10.644

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 24.993, 357.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 52.187, 10.254 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, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 52)  
}
```

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, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 52.187, 10.254 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, 0, 52) }
```

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

```
.border{ border-color:rgb(132, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(132, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 52.187, 10.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 52) }
```

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

```
.background{ background-color: rgb(132, 0,  
52) }
```

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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