

Converting Colors

CIELCh(27, 51.953, 6.101)

Have a look what the booklet for
CIELCh(27, 51.953, 6.101) contains.

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Color

CIELCh(27, 51.500, 5.992)

Conversions

Conversions Part 1

Format	Color
Hex	83003A
RGB	131, 0, 58
RGB Percent	51%, 0%, 23%
CMY	0.4874, 1.0000, 0.7735
CMYK	0.00, 1.00, 0.56, 0.49
HSL	333°, 100%, 26%
HSV	333°, 100%, 51%
XYZ	10.0663, 5.0937, 4.4250
YIQ	45.7810, 59.4580, 45.8100

Conversions

Conversions Part 2

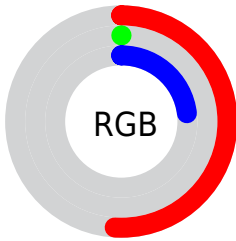
Format	Color
RYB	131, 0, 58
Decimal	8585274
CIELab	27.00, 51.22, 5.38
CIElCh	27, 51.500, 5.992
Yxy	5.0937, 0.5140, 0.2601
Android (android.graphics.Color)	4286775354 (0xFF83003A)
YUV	45.7810, 6.0240, 74.7371
Hunter-Lab	22.5692, 40.1188, 4.1738

Details

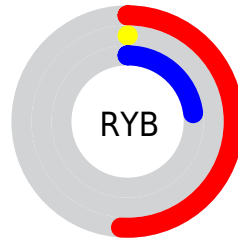
The CIELCh color **27, 51.500, 5.992** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 50.249, 152.982**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 51.460, 5.829**, and **13, 36.320, 22.044** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.415, 6.051**, and if you desaturate by 10%, it is **28, 49.457, 2.229**.

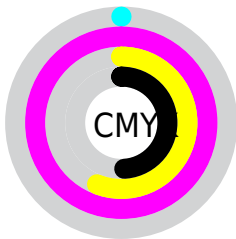
Distribution



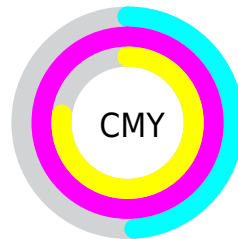
- Red (51%)
- Green (0%)
- Blue (23%)



- Red (51%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.500, 5.992 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, 51.500, 5.992 by changing the saturation by 10% instead.

 27, 51.500, 5.992  27, 51.500, 5.992

 100, 51.500, 5.992  17, 51.500, 5.992

 47, 51.500, 5.992  7, 51.500, 5.992

 57, 51.500, 5.992  0, 51.500, 5.992

 67, 51.500, 5.992

 77, 51.500, 5.992

 87, 51.500, 5.992

 97, 51.500, 5.992

 27, 51.500, 5.992  27, 51.500, 5.992

 27, 51.415, 6.051  28, 49.457, 2.229

■ 29, 46.740,
358.902

■ 31, 42.771,
356.258

■ 34, 37.742,
354.141

■ 37, 31.948,
352.414

■ 40, 25.689,
350.973

■ 43, 19.212,
349.743

■ 47, 12.699,
348.667

■ 51, 6.272, 347.698

Harmonies

Complementary

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



27, 51.500, 5.992



48, 50.249, 152.982

Rectangle

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



27, 51.500, 5.992



27, 51.500, 55.992



27, 51.500, 185.992



27, 51.500, 235.992

Sweetspot

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



27, 51.415, 6.051



56, 23.923, 349.823



20, 74.973, 313.419



27, 16.476, 350.251



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, 51.415, 6.051



36, 62.540, 7.276



27, 61.688, 39.505



26, 3.575, 347.617



27, 51.230, 6.025



0, 0.846, 346.896

Inverse Universe

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



27, 51.415, 6.051



36, 62.540, 7.276



47, 28.604, 204.431



26, 3.575, 347.617



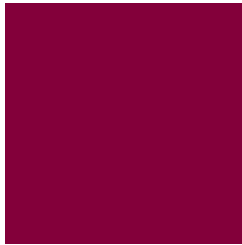
27, 51.230, 6.025



0, 0.846, 346.896

Previews

White Background



This preview shows how the CIE LCh color 27, 51.500, 5.992 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, 51.500, 5.992 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, 51.500, 5.992

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.500, 5.992.



This preview shows how white text looks on a background with the CIELCh color 27, 51.500, 5.992.

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, 51.500, 5.992

Protanopia

29, 11.043, 283.994

Deuteranopia

29, 10.874, 69.632



Tritanopia
28, 52.951, 34.156

Trichromacy



Original Color
27, 51.500, 5.992

Protanomaly
25, 27.233, 338.428

Deuteranomaly
25, 27.601, 9.060

Tritanomaly
27, 51.341, 24.367

Monochromacy



Original Color
27, 51.500, 5.992

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.385, 354.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.500, 5.992 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(131, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 58)  
}
```

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(131, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.500, 5.992 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(131, 0, 58) }
```

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

```
.border{ border-color:rgb(131, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(131, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.500, 5.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 58) }
```

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

```
.background{ background-color: rgb(131, 0,  
58) }
```

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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