

Converting Colors

CIELCh(21, 69.049, 357.423)

Have a look what the booklet for
CIELCh(21, 69.049, 357.423)
contains.

CIELCh(27, 51.213, 6.356)	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, 51.213, 6.356)

Conversions

Conversions Part 1

Format	Color
Hex	820139
RGB	130, 1, 57
RGB Percent	51%, 0%, 22%
CMY	0.4885, 0.9971, 0.7752
CMYK	0.00, 0.99, 0.56, 0.49
HSL	334°, 99%, 26%
HSV	334°, 99%, 51%
XYZ	10.0255, 5.0937, 4.3686
YIQ	45.9550, 58.9080, 44.7640

Conversions

Conversions Part 2

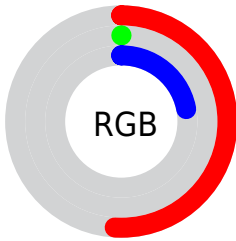
Format	Color
RYB	130, 1, 57
Decimal	8519993
CIELab	27.00, 50.90, 5.67
CIELCh	27, 51.213, 6.356
Yxy	5.0937, 0.5145, 0.2614
Android (android.graphics.Color)	4286710073 (0xFF820139)
YUV	45.9550, 5.4452, 73.7075
Hunter-Lab	22.5692, 39.7957, 4.3220

Details

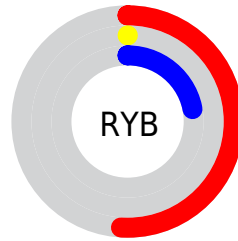
The CIELCh color **27, 51.213, 6.356** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 49.682, 153.419**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 51.073, 6.224**, and **13, 36.051, 22.404** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.333, 6.570**, and if you desaturate by 10%, it is **28, 49.216, 2.497**.

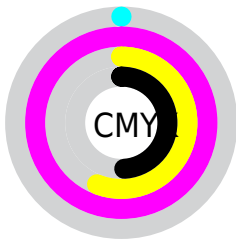
Distribution



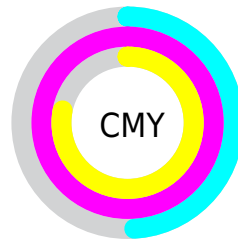
- Red (51%)
- Green (0%)
- Blue (22%)



- Red (51%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.213, 6.356 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, 51.213, 6.356 by changing the saturation by 10% instead.

 27, 51.213, 6.356  27, 51.213, 6.356

 100, 51.213, 6.356  17, 51.213, 6.356

 47, 51.213, 6.356  7, 51.213, 6.356

 57, 51.213, 6.356  0, 51.213, 6.356

 67, 51.213, 6.356

 77, 51.213, 6.356

 87, 51.213, 6.356

 97, 51.213, 6.356

 27, 51.213, 6.356  27, 51.213, 6.356

 27, 51.333, 6.570  28, 49.216, 2.497

■ 29, 46.405,
359.173

■ 31, 42.361,
356.533

■ 34, 37.284,
354.418

■ 37, 31.469,
352.692

■ 40, 25.211,
351.252

■ 44, 18.752,
350.022

■ 47, 12.270,
348.948

■ 51, 5.883, 347.977

Harmonies

Complementary

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



27, 51.213, 6.356



48, 49.682, 153.419

Rectangle

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



27, 51.213, 6.356



27, 51.213, 56.356



27, 51.213, 186.356



27, 51.213, 236.356

Sweetspot

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



27, 51.210, 6.358



55, 23.558, 350.165



20, 74.607, 313.433



27, 16.025, 350.583



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 51.210, 6.358



36, 61.859, 7.758



27, 61.327, 39.373



26, 3.562, 347.949



27, 51.227, 6.555



0, 0.843, 347.225

Inverse Universe

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



27, 51.210, 6.358



36, 61.859, 7.758



47, 28.529, 204.395



26, 3.562, 347.949



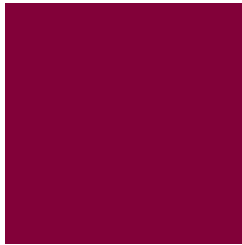
27, 51.227, 6.555



0, 0.843, 347.225

Previews

White Background



This preview shows how the CIELCh color 27, 51.213, 6.356 looks on a white background.

Color Contrast Check

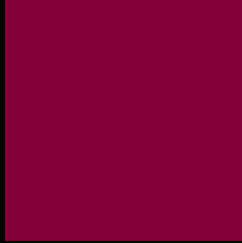
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.213, 6.356 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, 51.213, 6.356

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.213, 6.356.



This preview shows how white text looks on a background with the CIELCh color 27, 51.213, 6.356.

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, 51.045, 6.476

Protanopia

29, 10.408, 283.314

Deuteranopia

29, 10.874, 69.632



Tritanopia
28, 52.951, 34.156

Trichromacy



Original Color
27, 51.045, 6.476

Protanomaly
25, 27.233, 338.428

Deuteranomaly
25, 27.100, 9.884

Tritanomaly
27, 51.341, 24.367

Monochromacy



Original Color
27, 51.045, 6.476

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 24.793, 354.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.213, 6.356 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(130, 1, 57)` looks like.

```
.text, #text, p{  
    color:rgb(130, 1, 57)  
}
```

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(130, 1, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 1, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.213, 6.356 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(130, 1, 57) }
```

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

```
.border{ border-color:rgb(130, 1, 57) }
```

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

Here you see how a box with a 4 pixel rgb(130, 1, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 1, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 1, 57);  
box-shadow:4px 4px 4px 4px rgb(130, 1, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.213, 6.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 1, 57) }
```

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

```
.background{ background-color: rgb(130, 1,  
57) }
```

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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