

Converting Colors

CIELCh(27, 50.913, 0.557)

Have a look what the booklet for
CIELCh(27, 50.913, 0.557) contains.

CIELCh(27, 50.946, 0.450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 50.946, 0.450)

Conversions

Conversions Part 1

Format	Color
Hex	810241
RGB	129, 2, 65
RGB Percent	51%, 1%, 25%
CMY	0.4941, 0.9920, 0.7451
CMYK	0.00, 0.98, 0.50, 0.49
HSL	330°, 97%, 26%
HSV	330°, 98%, 51%
XYZ	10.0314, 5.0937, 5.4568
YIQ	47.1550, 55.4690, 46.5170

Conversions

Conversions Part 2

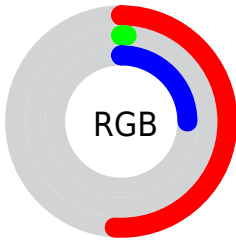
Format	Color
R_{YB}	129, 2, 65
Decimal	8454721
CIE Lab	27.00, 50.94, 0.40
CIE LCh	27, 50.946, 0.450
Yxy	5.0937, 0.4874, 0.2475
Android (android.graphics.Color)	4286644801 (0xFF810241)
YUV	47.1550, 8.7976, 71.7781
Hunter-Lab	22.5692, 39.8422, 1.4631

Details

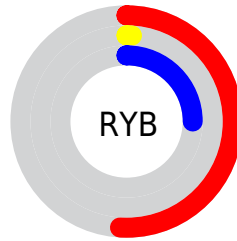
The CIELCh color **27, 50.946, 0.450** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 52.145, 150.404**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 50.957, 0.433**, and **12, 34.510, 13.424** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.225, 0.971**, and if you desaturate by 10%, it is **28, 49.254, 357.122**.

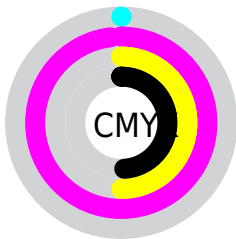
Distribution



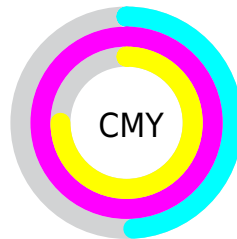
- Red (51%)
- Green (1%)
- Blue (25%)



- Red (51%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (98%)
- Yellow (50%)
- Black (49%)



- Cyan (49%)
- Magenta (99%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 50.946, 0.450 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, 50.946, 0.450 by changing the saturation by 10% instead.

 27, 50.946, 0.450  27, 50.946, 0.450

 100, 50.946, 0.450  17, 50.946, 0.450

 47, 50.946, 0.450  7, 50.946, 0.450

 57, 50.946, 0.450  0, 50.946, 0.450

 67, 50.946, 0.450

 77, 50.946, 0.450

 87, 50.946, 0.450

 97, 50.946, 0.450

 27, 50.946, 0.450  27, 50.946, 0.450

 27, 51.225, 0.971  28, 49.254,

357.122

■ 30, 46.529,
354.320

■ 32, 42.493,
352.082

■ 34, 37.377,
350.268

■ 37, 31.493,
348.765

■ 40, 25.141,
347.489

■ 44, 18.566,
346.380

■ 47, 11.947,
345.395

■ 51, 5.403, 344.490

Harmonies

Complementary

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



27, 50.946, 0.450



47, 52.145, 150.404

Rectangle

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



27, 50.946, 0.450



27, 50.946, 50.450



27, 50.946, 180.450



27, 50.946, 230.450

Sweetspot

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



27, 50.943, 0.451



55, 24.377, 346.621



19, 74.305, 312.257



27, 16.568, 347.004



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, 50.943, 0.451



36, 62.077, 2.056



26, 61.004, 38.133



25, 3.584, 344.550



26, 50.797, 0.917



0, 0.000, 0.000

Inverse Universe

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



27, 50.943, 0.451



36, 62.077, 2.056



49, 30.122, 196.397



25, 3.584, 344.550



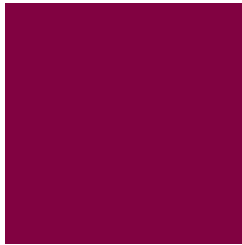
26, 50.797, 0.917



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 50.946, 0.450 looks on a white background.

Color Contrast Check

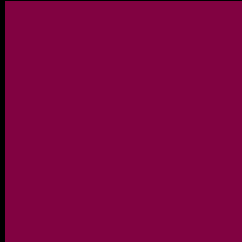
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.946, 0.450 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, 50.946, 0.450

Background



This preview shows how black text looks on a background with the CIELCh color 27, 50.946, 0.450.



This preview shows how white text looks on a background with the CIELCh color 27, 50.946, 0.450.

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, 50.946, 0.450

Protanopia

28, 18.175, 285.478

Deuteranopia

28, 6.094, 51.781



Tritanopia
28, 50.308, 32.656

Trichromacy



Original Color
27, 50.946, 0.450

Protanomaly
24, 30.438, 327.499

Deuteranomaly
25, 26.613, 357.466

Tritanomaly
27, 49.207, 20.871

Monochromacy



Original Color
27, 50.946, 0.450

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.146, 349.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 50.946, 0.450 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(129, 2, 65)` looks like.

```
.text, #text, p{  
    color:rgb(129, 2, 65)  
}
```

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(129, 2, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 2, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 50.946, 0.450 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(129, 2, 65) }
```

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

```
.border{ border-color:rgb(129, 2, 65) }
```

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

Here you see how a box with a 4 pixel rgb(129, 2, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 2, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 2, 65);  
box-shadow:4px 4px 4px 4px rgb(129, 2, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 50.946, 0.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 2, 65) }
```

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

```
.background{ background-color: rgb(129, 2,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor