

Converting Colors

CIELCh(27, 51.940, 0.949)

Have a look what the booklet for
CIELCh(27, 51.940, 0.949) contains.

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Color

CIELCh(27, 51.471, 1.340)

Conversions

Conversions Part 1

Format	Color
Hex	820040
RGB	130, 0, 64
RGB Percent	51%, 0%, 25%
CMY	0.4909, 1.0000, 0.7496
CMYK	0.00, 1.00, 0.51, 0.49
HSL	330°, 100%, 25%
HSV	330°, 100%, 51%
XYZ	10.0968, 5.0937, 5.2804
YIQ	46.1660, 56.9360, 47.4640

Conversions

Conversions Part 2

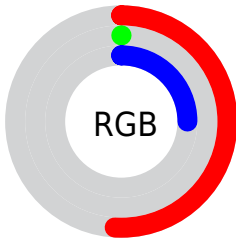
Format	Color
R_{YB}	130, 0, 64
Decimal	8519744
CIE Lab	27.00, 51.46, 1.20
CIE LCh	27, 51.471, 1.340
Yxy	5.0937, 0.4932, 0.2488
Android (android.graphics.Color)	4286709824 (0xFF820040)
YUV	46.1660, 8.7922, 73.5224
Hunter-Lab	22.5692, 40.3596, 1.9267

Details

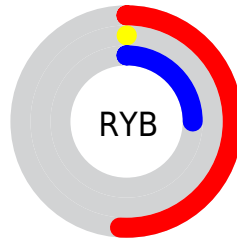
The CIELCh color **27, 51.471, 1.340** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 52.715, 150.296**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 51.518, 1.718**, and **13, 34.981, 15.062** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.417, 1.372**, and if you desaturate by 10%, it is **28, 49.735, 357.980**.

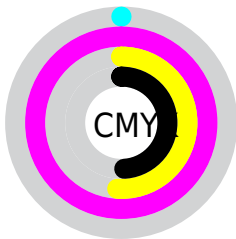
Distribution



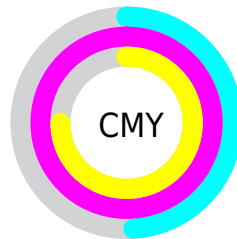
- Red (51%)
- Green (0%)
- Blue (25%)



- Red (51%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.471, 1.340 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, 51.471, 1.340 by changing the saturation by 10% instead.

 27, 51.471, 1.340  27, 51.471, 1.340

 100, 51.471, 1.340  17, 51.471, 1.340

 47, 51.471, 1.340  7, 51.471, 1.340

 57, 51.471, 1.340  0, 51.471, 1.340

 67, 51.471, 1.340

 77, 51.471, 1.340

 87, 51.471, 1.340

 97, 51.471, 1.340

 27, 51.471, 1.340  27, 51.471, 1.340

 27, 51.417, 1.372  28, 49.735,

357.980

■ 29, 47.211,
355.039

■ 31, 43.350,
352.694

■ 34, 38.364,
350.801

■ 37, 32.557,
349.240

■ 40, 26.238,
347.921

■ 43, 19.664,
346.781

■ 47, 13.022,
345.772

■ 51, 6.443, 344.855

Harmonies

Complementary

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



27, 51.471, 1.340



47, 52.715, 150.296

Rectangle

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



27, 51.471, 1.340



27, 51.471, 51.340



27, 51.471, 181.340



27, 51.471, 231.340

Sweetspot

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



27, 51.417, 1.372



55, 24.318, 346.854



19, 75.386, 312.232



27, 16.528, 347.240



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, 51.417, 1.372



36, 62.039, 2.440



26, 62.028, 38.494



25, 3.574, 344.772



26, 50.759, 1.289



0, 0.000, 0.000

Inverse Universe

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



27, 51.417, 1.372



36, 62.039, 2.440



49, 30.371, 196.386



25, 3.574, 344.772



26, 50.759, 1.289



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 51.471, 1.340 looks on a white background.

Color Contrast Check

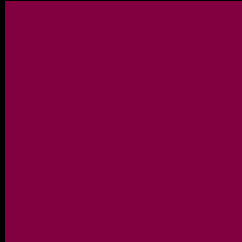
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 27, 51.471, 1.340 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, 51.471, 1.340

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.471, 1.340.



This preview shows how white text looks on a background with the CIELCh color 27, 51.471, 1.340.

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, 51.471, 1.340

Protanopia

29, 16.242, 283.952

Deuteranopia

29, 7.286, 58.007



Tritanopia
28, 51.239, 33.000

Trichromacy



Original Color
27, 51.471, 1.340

Protanomaly
25, 30.120, 328.972

Deuteranomaly
25, 27.255, 0.048

Tritanomaly
27, 49.962, 21.597

Monochromacy



Original Color
27, 51.471, 1.340

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.519, 350.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.471, 1.340 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, 0, 64)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 64)  
}
```

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, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.471, 1.340 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, 0, 64) }
```

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

```
.border{ border-color:rgb(130, 0, 64) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(130, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.471, 1.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 64) }
```

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

```
.background{ background-color: rgb(130, 0,  
64) }
```

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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