

Converting Colors

CIELCh(27, 46.992, 0.054)

Have a look what the booklet for
CIELCh(27, 46.992, 0.054) contains.

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Color

CIELCh(27, 46.742, 0.206)

Conversions

Conversions Part 1

Format	Color
Hex	7C1141
RGB	124, 17, 65
RGB Percent	49%, 7%, 25%
CMY	0.5129, 0.9322, 0.7444
CMYK	0.00, 0.86, 0.48, 0.51
HSL	333°, 76%, 28%
HSV	333°, 86%, 49%
XYZ	9.5056, 5.0937, 5.5085
YIQ	54.4650, 48.3640, 37.6120

Conversions

Conversions Part 2

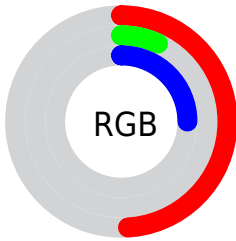
Format	Color
RYB	124, 17, 65
Decimal	8130881
CIELab	27.00, 46.74, 0.17
CIELCh	27, 46.742, 0.206
Yxy	5.0937, 0.4727, 0.2533
Android (android.graphics.Color)	4286320961 (0xFF7C1141)
YUV	54.4650, 5.1938, 60.9822
Hunter-Lab	22.5692, 35.6837, 1.3274

Details

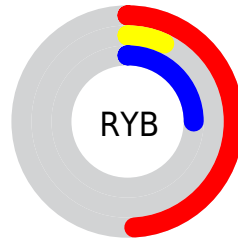
The CIELCh color **27, 46.742, 0.206** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **46, 44.227, 155.569**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 46.724, 0.121**, and **11, 33.088, 11.282** is the 20% darker color. If you saturate the color by 10%, you get **26, 48.770, 3.823**, and if you desaturate by 10%, it is **29, 43.621, 357.250**.

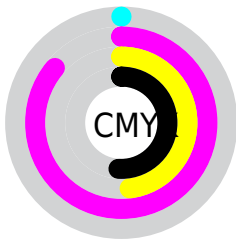
Distribution



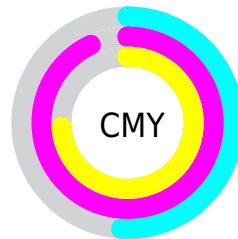
- Red (49%)
- Green (7%)
- Blue (25%)



- Red (49%)
- Yellow (7%)
- Blue (25%)



- Cyan (0%)
- Magenta (86%)
- Yellow (48%)
- Black (51%)



- Cyan (51%)
- Magenta (93%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 46.742, 0.206 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, 46.742, 0.206 by changing the saturation by 10% instead.

 27, 46.742, 0.206  27, 46.742, 0.206

 100, 46.742, 0.206  17, 46.742, 0.206

 47, 46.742, 0.206  7, 46.742, 0.206

 57, 46.742, 0.206  0, 46.742, 0.206

 67, 46.742, 0.206

 77, 46.742, 0.206

 87, 46.742, 0.206

 97, 46.742, 0.206

 27, 46.742, 0.206  27, 46.742, 0.206

 26, 48.770, 3.823  29, 43.621,

26, 49.574, 5.245

357.250

31, 39.357,
354.892

33, 34.188,
352.987

36, 28.407,
351.415

39, 22.281,
350.088

43, 16.022,
348.941

46, 9.780, 347.927

50, 3.649, 346.983

54, 2.313, 166.389

Harmonies

Complementary

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



27, 46.742, 0.206



46, 44.227, 155.569

Rectangle

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



27, 46.742, 0.206



27, 46.742, 50.206



27, 46.742, 180.206



27, 46.742, 230.206

Sweetspot

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



27, 46.740, 0.207



55, 19.726, 348.999



22, 66.204, 313.847



27, 13.503, 349.310



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 46.740, 0.207



34, 59.760, 6.463



27, 52.417, 36.281



24, 3.355, 347.266



26, 49.787, 5.277



54, 83.813, 8.059

Inverse Universe

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



27, 46.740, 0.207



34, 59.760, 6.463



45, 26.700, 203.587



24, 3.355, 347.266



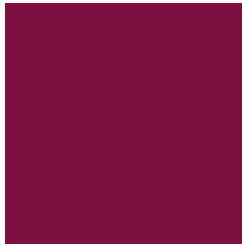
26, 49.787, 5.277



54, 83.813, 8.059

Previews

White Background



This preview shows how the CIELCh color 27, 46.742, 0.206 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, 46.742, 0.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

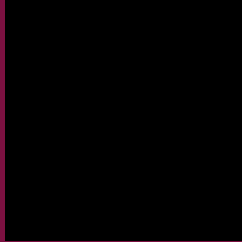
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 46.742, 0.206

Background



This preview shows how black text looks on a background with the CIELCh color 27, 46.742, 0.206.



This preview shows how white text looks on a background with the CIELCh color 27, 46.742, 0.206.

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, 46.742, 0.206

Protanopia

28, 16.952, 284.587

Deuteranopia

28, 5.345, 48.786



Tritanopia
27, 46.058, 31.182

Trichromacy



Original Color
27, 46.742, 0.206

Protanomaly
25, 26.005, 326.462

Deuteranomaly
26, 22.470, 359.346

Tritanomaly
27, 44.913, 19.621

Monochromacy



Original Color
27, 46.742, 0.206

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 21.051, 350.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 46.742, 0.206 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(124, 17, 65)` looks like.

```
.text, #text, p{  
    color:rgb(124, 17, 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(124, 17, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 17, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 46.742, 0.206 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(124, 17, 65) }
```

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

```
.border{ border-color:rgb(124, 17, 65) }
```

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

Here you see how a box with a 4 pixel rgb(124, 17, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 17, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 17, 65);  
box-shadow:4px 4px 4px 4px rgb(124, 17,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 46.742, 0.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 17, 65) }
```

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

```
.background{ background-color: rgb(124, 17,  
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](#).

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