

Converting Colors

CIELCh(46, 81.156, 27.923)

Have a look what the booklet for
CIELCh(46, 81.156, 27.923) contains.

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Color

CIELCh(46, 81.147, 28.077)

Conversions

Conversions Part 1

Format	Color
Hex	DA0532
RGB	218, 5, 50
RGB Percent	85%, 2%, 20%
CMY	0.1447, 0.9789, 0.8036
CMYK	0.00, 0.98, 0.77, 0.14
HSL	347°, 95%, 44%
HSV	347°, 98%, 86%
XYZ	29.5806, 15.2687, 4.4139
YIQ	73.8170, 112.5030, 59.1510

Conversions

Conversions Part 2

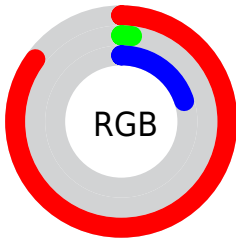
Format	Color
RYB	218, 5, 50
Decimal	14288178
CIELab	46.00, 71.60, 38.19
CIElCh	46, 81.147, 28.077
Yxy	15.2687, 0.6005, 0.3099
Android (android.graphics.Color)	4292478258 (0xFFDA0532)
YUV	73.8170, -11.7418, 126.4485
Hunter-Lab	39.0751, 66.7464, 20.6553

Details

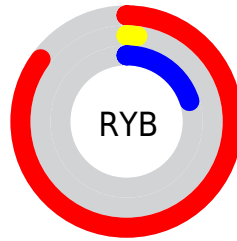
The CIELCh color **46, 81.147, 28.077** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **78, 55.611, 170.071**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.104, 26.138**, and **32, 69.610, 37.710** is the 20% darker color. If you saturate the color by 10%, you get **46, 82.509, 29.343**, and if you desaturate by 10%, it is **47, 75.551, 22.766**.

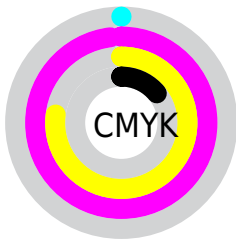
Distribution



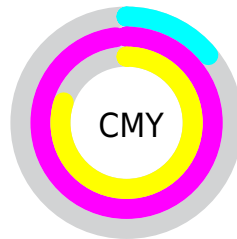
- Red (85%)
- Green (2%)
- Blue (20%)



- Red (85%)
- Yellow (2%)
- Blue (20%)



- Cyan (0%)
- Magenta (98%)
- Yellow (77%)
- Black (14%)





- Cyan (14%)
- Magenta (98%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 81.147, 28.077 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 46, 81.147, 28.077 by changing the saturation by 10% instead.

 46, 81.147, 28.077

 46, 81.147, 28.077

 100, 81.147,
28.077

 36, 81.147, 28.077

 66, 81.147, 28.077


 26, 81.147, 28.077

 76, 81.147, 28.077


 16, 81.147, 28.077

 86, 81.147, 28.077

 6, 81.147, 28.077

 96, 81.147, 28.077

 0, 81.147, 28.077

 46, 81.147, 28.077

 46, 81.147, 28.077

 46, 82.509, 29.343

 47, 75.551, 22.766

 49, 68.943, 18.112

■ 52, 61.201, 14.315

■ 56, 52.507, 11.303

■ 61, 43.217, 8.925

■ 66, 33.702, 7.030

■ 71, 24.263, 5.492

■ 77, 15.099, 4.214

■ 83, 6.324, 3.101

Harmonies

Complementary

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



46, 81.147, 28.077



78, 55.611, 170.071

Rectangle

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



46, 81.147, 28.077



46, 81.147, 78.077



46, 81.147, 208.077



46, 81.147, 258.077

Sweetspot

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



46, 81.144, 28.079



81, 29.117, 5.737



44, 104.311, 320.168



40, 20.147, 6.383



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 81.144, 28.079



54, 93.273, 29.869



50, 83.399, 46.477



43, 4.812, 3.308



36, 68.982, 28.405



5, 23.752, 11.189

Inverse Universe

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



46, 81.144, 28.079



54, 93.273, 29.869



61, 42.098, 252.349



43, 4.812, 3.308



36, 68.982, 28.405



5, 23.752, 11.189

Previews

White Background



This preview shows how the CIELCh color 46, 81.147, 28.077 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 81.147, 28.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 81.147, 28.077

Background



This preview shows how black text looks on a background with the CIELCh color 46, 81.147, 28.077.



This preview shows how white text looks on a background with the CIELCh color 46, 81.147, 28.077.

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

46, 81.147, 28.077

Protanopia

47, 20.899, 95.998

Deuteranopia

46, 42.063, 81.912



Tritanopia
46, 89.299, 39.240

Trichromacy



Original Color
46, 81.147, 28.077



Protanomaly
42, 39.524, 30.502



Deuteranomaly
42, 52.789, 42.770



Tritanomaly
46, 86.694, 36.040

Monochromacy



Original Color
46, 81.147, 28.077



Achromatopsia
31, 0.005, 296.813



Achromatomaly
32, 35.646, 11.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 81.147, 28.077 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(218, 5, 50)` looks like.

```
.text, #text, p{  
    color:rgb(218, 5, 50)  
}
```

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(218, 5, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 5, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 81.147, 28.077 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(218, 5, 50) }
```

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

```
.border{ border-color:rgb(218, 5, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 5, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 5, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 5, 50);  
box-shadow:4px 4px 4px 4px rgb(218, 5, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 81.147, 28.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 5, 50) }
```

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

```
.background{ background-color: rgb(218, 5,  
50) }
```

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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