

Converting Colors

CIELCh(46, 80.640, 30.185)

Have a look what the booklet for
CIELCh(46, 80.640, 30.185) contains.

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Color

CIELCh(46, 80.544, 30.064)

Conversions

Conversions Part 1

Format	Color
Hex	D8122E
RGB	216, 18, 46
RGB Percent	85%, 7%, 18%
CMY	0.1523, 0.9278, 0.8191
CMYK	0.00, 0.91, 0.79, 0.15
HSL	352°, 84%, 46%
HSV	352°, 91%, 85%
XYZ	29.0886, 15.2687, 4.0110
YIQ	80.3940, 109.0200, 50.6840

Conversions

Conversions Part 2

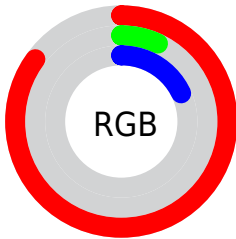
Format	Color
R _Y B	216, 18, 46
Decimal	14160430
CIE Lab	46.00, 69.71, 40.35
CIE LCh	46, 80.544, 30.064
Yxy	15.2687, 0.6014, 0.3157
Android (android.graphics.Color)	4292350510 (0xFFD8122E)
YUV	80.3940, -16.9562, 118.9265
Hunter-Lab	39.0751, 64.4988, 21.2666

Details

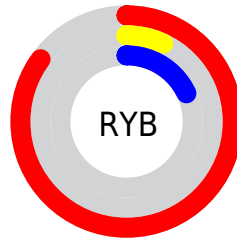
The CIELCh color **46, 80.544, 30.064** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **78, 49.729, 178.461**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 70.298, 29.092**, and **31, 70.314, 39.235** is the 20% darker color. If you saturate the color by 10%, you get **45, 85.852, 34.112**, and if you desaturate by 10%, it is **48, 73.380, 25.283**.

Distribution



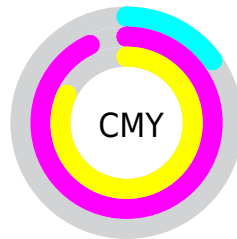
- Red (85%)
- Green (7%)
- Blue (18%)



- Red (85%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (91%)
- Yellow (79%)
- Black (15%)



- Cyan (15%)
- Magenta (93%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 80.544, 30.064 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, 80.544, 30.064 by changing the saturation by 10% instead.

 46, 80.544, 30.064  46, 80.544, 30.064

 100, 80.544,
30.064  36, 80.544, 30.064

 66, 80.544, 30.064  26, 80.544, 30.064

 76, 80.544, 30.064  16, 80.544, 30.064

 86, 80.544, 30.064  6, 80.544, 30.064

 96, 80.544, 30.064  0, 80.544, 30.064

 46, 80.544, 30.064  46, 80.544, 30.064

 45, 85.852, 34.112  48, 73.380, 25.283

 50, 65.215, 21.144

■ 54, 56.228, 17.784

■ 58, 46.721, 15.128

■ 63, 37.040, 13.035

■ 68, 27.483, 11.372

■ 74, 18.256, 10.025

■ 80, 9.476, 8.902

■ 86, 1.191, 7.578

Harmonies

Complementary

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



46, 80.544, 30.064



78, 49.729, 178.461

Rectangle

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



46, 80.544, 30.064



46, 80.544, 80.064



46, 80.544, 210.064



46, 80.544, 260.064

Sweetspot

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



46, 80.541, 30.066



82, 26.653, 10.769



47, 101.145, 322.744



41, 18.122, 11.256



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, 80.541, 30.066



53, 97.761, 34.589



54, 75.922, 51.098



42, 4.619, 8.686



35, 71.392, 33.264



5, 21.988, 13.521

Inverse Universe

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



46, 80.541, 30.066



53, 97.761, 34.589



58, 44.648, 261.111



42, 4.619, 8.686



35, 71.392, 33.264



5, 21.988, 13.521

Previews

White Background



This preview shows how the CIELCh color 46, 80.544, 30.064 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 CIELCh color 46, 80.544, 30.064 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, 80.544, 30.064

Background



This preview shows how black text looks on a background with the CIELCh color 46, 80.544, 30.064.



This preview shows how white text looks on a background with the CIELCh color 46, 80.544, 30.064.

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, 80.544, 30.064

Protanopia

46, 23.837, 95.705

Deuteranopia

46, 44.177, 82.636



Tritanopia
46, 86.774, 38.292

Trichromacy



Original Color
46, 80.544, 30.064

Protanomaly
42, 39.475, 38.167

Deuteranomaly
43, 53.008, 47.770

Tritanomaly
46, 84.533, 35.770

Monochromacy



Original Color
46, 80.544, 30.064

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 33.268, 15.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 80.544, 30.064 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(216, 18, 46)` looks like.

```
.text, #text, p{  
    color:rgb(216, 18, 46)  
}
```

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(216, 18, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 18, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 80.544, 30.064 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(216, 18, 46) }
```

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

```
.border{ border-color:rgb(216, 18, 46) }
```

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

Here you see how a box with a 4 pixel rgb(216, 18, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 18, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 18, 46);  
box-shadow:4px 4px 4px 4px rgb(216, 18,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 80.544, 30.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 18, 46) }
```

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

```
.background{ background-color: rgb(216, 18,  
46) }
```

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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