

Converting Colors

CIELCh(45, 81.801, 30.080)

Have a look what the booklet for
CIELCh(45, 81.801, 30.080) contains.

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Color

CIELCh(45, 81.661, 30.062)

Conversions

Conversions Part 1

Format	Color
Hex	D6022B
RGB	214, 2, 43
RGB Percent	84%, 1%, 17%
CMY	0.1603, 0.9905, 0.8310
CMYK	0.00, 0.99, 0.80, 0.16
HSL	348°, 98%, 42%
HSV	348°, 99%, 84%
XYZ	28.2316, 14.5417, 3.6125
YIQ	70.0620, 113.1910, 57.6950

Conversions

Conversions Part 2

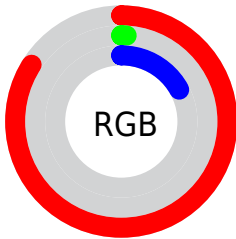
Format	Color
RYB	214, 2, 43
Decimal	14025259
CIELab	45.00, 70.68, 40.91
CIElCh	45, 81.661, 30.062
Yxy	14.5417, 0.6086, 0.3135
Android (android.graphics.Color)	4292215339 (0xFFD6022B)
YUV	70.0620, -13.3416, 126.2336
Hunter-Lab	38.1336, 65.4157, 21.0769

Details

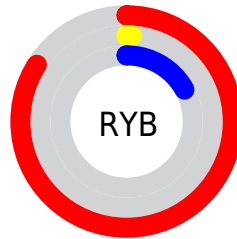
The CIELCh color **45, 81.661, 30.062** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **77, 53.855, 171.665**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 72.250, 28.875**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 82.307, 30.618**, and if you desaturate by 10%, it is **46, 75.930, 24.834**.

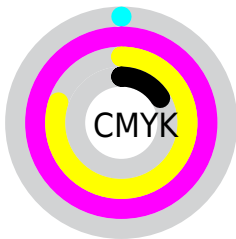
Distribution



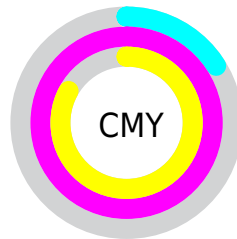
- Red (84%)
- Green (1%)
- Blue (17%)



- Red (84%)
- Yellow (1%)
- Blue (17%)



- Cyan (0%)
- Magenta (99%)
- Yellow (80%)
- Black (16%)



- Cyan (16%)
- Magenta (99%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 81.661, 30.062 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 45, 81.661, 30.062 by changing the saturation by 10% instead.

 45, 81.661, 30.062  45, 81.661, 30.062

 100, 81.661,
30.062  35, 81.661, 30.062

 65, 81.661, 30.062  25, 81.661, 30.062

 75, 81.661, 30.062  15, 81.661, 30.062

 85, 81.661, 30.062  5, 81.661, 30.062

 95, 81.661, 30.062  0, 81.661, 30.062

 45, 81.661, 30.062  45, 81.661, 30.062

 45, 82.307, 30.618  46, 75.930, 24.834

 48, 69.295, 20.087

■ 51, 61.591, 16.163

■ 55, 52.977, 13.037

■ 59, 43.782, 10.571

■ 64, 34.368, 8.612

■ 69, 25.032, 7.031

■ 75, 15.976, 5.728

■ 80, 7.313, 4.609

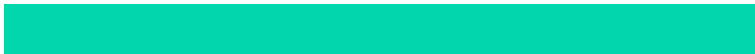
Harmonies

Complementary

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



45, 81.661, 30.062



77, 53.855, 171.665

Rectangle

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



45, 81.661, 30.062



45, 81.661, 80.062



45, 81.661, 210.062



45, 81.661, 260.062

Sweetspot

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



45, 81.658, 30.064



80, 30.070, 7.239



44, 102.960, 320.689



40, 20.694, 7.891



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 81.658, 30.064



53, 94.414, 31.195



50, 82.386, 47.186



42, 4.690, 4.668



35, 68.989, 29.702



5, 22.044, 11.219

Inverse Universe

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



45, 81.658, 30.064



53, 94.414, 31.195



59, 42.844, 256.110



42, 4.690, 4.668



35, 68.989, 29.702



5, 22.044, 11.219

Previews

White Background



This preview shows how the CIELCh color 45, 81.661, 30.062 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 45, 81.661, 30.062 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 45, 81.661, 30.062

Background



This preview shows how black text looks on a background with the CIELCh color 45, 81.661, 30.062.



This preview shows how white text looks on a background with the CIELCh color 45, 81.661, 30.062.

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

45, 81.661, 30.062

Protanopia

46, 24.465, 95.784

Deuteranopia

46, 45.362, 82.834



Tritanopia
45, 90.334, 40.880

Trichromacy



Original Color
45, 81.661, 30.062

Protanomaly
40, 41.302, 35.207

Deuteranomaly
41, 55.124, 45.410

Tritanomaly
45, 87.779, 38.012

Monochromacy



Original Color
45, 81.661, 30.062

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 35.872, 13.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 81.661, 30.062 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(214, 2, 43)` looks like.

```
.text, #text, p{  
    color:rgb(214, 2, 43)  
}
```

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(214, 2, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 2, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 81.661, 30.062 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(214, 2, 43) }
```

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

```
.border{ border-color:rgb(214, 2, 43) }
```

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

Here you see how a box with a 4 pixel rgb(214, 2, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 2, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 2, 43);  
box-shadow:4px 4px 4px 4px rgb(214, 2, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 81.661, 30.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 2, 43) }
```

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

```
.background{ background-color: rgb(214, 2,  
43) }
```

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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