

Converting Colors

CIELCh(42, 92.460, 31.421)

Have a look what the booklet for
CIELCh(42, 92.460, 31.421) contains.

CIELCh(45, 86.448, 35.414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 86.448, 35.414)

Conversions

Conversions Part 1

Format	Color
Hex	D7021A
RGB	215, 2, 26
RGB Percent	84%, 1%, 10%
CMY	0.1576, 0.9906, 0.8997
CMYK	0.00, 0.99, 0.88, 0.16
HSL	353°, 98%, 43%
HSV	353°, 99%, 84%
XYZ	28.1752, 14.5417, 2.2740
YIQ	68.4230, 119.2440, 52.6200

Conversions

Conversions Part 2

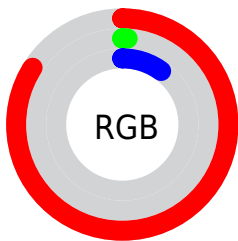
Format	Color
RYB	215, 2, 26
Decimal	14090778
CIELab	45.00, 70.45, 50.09
CIElCh	45, 86.448, 35.414
Yxy	14.5417, 0.6262, 0.3232
Android (android.graphics.Color)	4292280858 (0xFFD7021A)
YUV	68.4230, -20.9145, 128.5480
Hunter-Lab	38.1336, 65.1517, 23.1579

Details

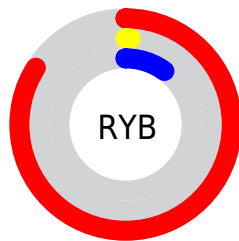
The CIELCh color **45, 86.448, 35.414** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **77, 48.790, 181.125**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.122, 34.834**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.116, 35.834**, and if you desaturate by 10%, it is **46, 79.872, 30.917**.

Distribution



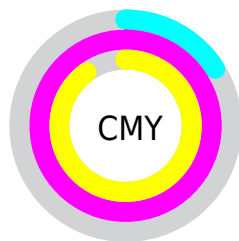
- Red (84%)
- Green (1%)
- Blue (10%)



- Red (84%)
- Yellow (1%)
- Blue (10%)



- Cyan (0%)
- Magenta (99%)
- Yellow (88%)
- Black (16%)



- Cyan (16%)
- Magenta (99%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 86.448, 35.414 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, 86.448, 35.414 by changing the saturation by 10% instead.

 45, 86.448, 35.414

 45, 86.448, 35.414

 100, 86.448,
35.414

 35, 86.448, 35.414

 65, 86.448, 35.414

 25, 86.448, 35.414

 75, 86.448, 35.414

 15, 86.448, 35.414

 85, 86.448, 35.414

 5, 86.448, 35.414

 95, 86.448, 35.414

 0, 86.448, 35.414

 45, 86.448, 35.414

 45, 86.448, 35.414

 45, 87.116, 35.834

 46, 79.872, 30.917

 48, 72.056, 26.408

■ 51, 63.301, 22.517

■ 54, 53.883, 19.367

■ 59, 44.128, 16.882

■ 64, 34.367, 14.931

■ 69, 24.858, 13.384

■ 75, 15.770, 12.136

■ 81, 7.186, 11.086

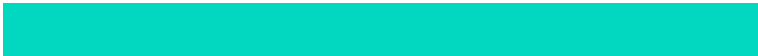
Harmonies

Complementary

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



45, 86.448, 35.414



77, 48.790, 181.125

Rectangle

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



45, 86.448, 35.414



45, 86.448, 85.414



45, 86.448, 215.414



45, 86.448, 265.414

Sweetspot

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



45, 86.445, 35.416



80, 29.793, 13.582



47, 102.157, 323.717



40, 20.564, 14.217



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, 86.445, 35.416



53, 99.670, 36.272



53, 78.915, 51.861



42, 4.588, 11.140



35, 72.824, 35.091



5, 21.970, 14.903

Inverse Universe

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



45, 86.445, 35.416



53, 99.670, 36.272



54, 49.989, 269.991



42, 4.588, 11.140



35, 72.824, 35.091



5, 21.970, 14.903

Previews

White Background



This preview shows how the CIELCh color 45, 86.448, 35.414 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, 86.448, 35.414 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, 86.448, 35.414

Background



This preview shows how black text looks on a background with the CIELCh color 45, 86.448, 35.414.



This preview shows how white text looks on a background with the CIELCh color 45, 86.448, 35.414.

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, 86.426, 35.296

Protanopia

46, 36.827, 95.958

Deuteranopia

46, 52.957, 84.122



Tritanopia
45, 90.242, 40.945

Trichromacy



Original Color
45, 86.426, 35.296

Protanomaly
40, 48.683, 46.778

Deuteranomaly
41, 62.364, 51.894

Tritanomaly
45, 89.041, 39.217

Monochromacy



Original Color
45, 86.426, 35.296

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 36.494, 20.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 86.448, 35.414 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(215, 2, 26)` looks like.

```
.text, #text, p{  
    color:rgb(215, 2, 26)  
}
```

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(215, 2, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 2, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 86.448, 35.414 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(215, 2, 26) }
```

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

```
.border{ border-color:rgb(215, 2, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 2, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 2, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 2, 26);  
box-shadow:4px 4px 4px 4px rgb(215, 2, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 86.448, 35.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 2, 26) }
```

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

```
.background{ background-color: rgb(215, 2,  
26) }
```

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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