

Converting Colors

CIELCh(45, 85.337, 34.193)

Have a look what the booklet for
CIELCh(45, 85.337, 34.193) contains.

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Color

CIELCh(45, 85.401, 34.225)

Conversions

Conversions Part 1

Format	Color
Hex	D7011E
RGB	215, 1, 30
RGB Percent	84%, 0%, 12%
CMY	0.1576, 0.9942, 0.8829
CMYK	0.00, 0.99, 0.86, 0.16
HSL	352°, 99%, 42%
HSV	352°, 99%, 84%
XYZ	28.2154, 14.5417, 2.5390
YIQ	68.2920, 118.2350, 54.3870

Conversions

Conversions Part 2

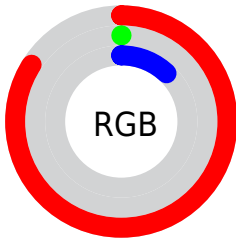
Format	Color
RYB	215, 1, 30
Decimal	14090526
CIELab	45.00, 70.61, 48.03
CIELCh	45, 85.401, 34.225
Yxy	14.5417, 0.6229, 0.3210
Android (android.graphics.Color)	4292280606 (0xFFD7011E)
YUV	68.2920, -18.8780, 128.6629
Hunter-Lab	38.1336, 65.3400, 22.7458

Details

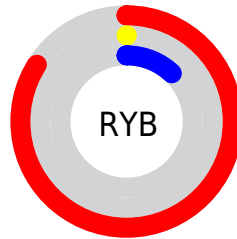
The CIELCh color **45, 85.401, 34.225** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **77, 50.243, 178.135**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 75.339, 33.785**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 85.816, 34.511**, and if you desaturate by 10%, it is **46, 79.011, 29.474**.

Distribution



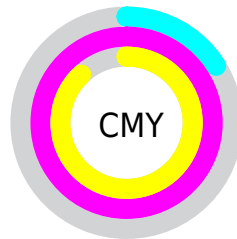
- Red (84%)
- Green (0%)
- Blue (12%)



- Red (84%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (86%)
- Black (16%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 85.401, 34.225 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, 85.401, 34.225 by changing the saturation by 10% instead.

 45, 85.401, 34.225

 45, 85.401, 34.225

 100, 85.401,
34.225

 35, 85.401, 34.225

 65, 85.401, 34.225

 25, 85.401, 34.225

 75, 85.401, 34.225

 15, 85.401, 34.225

 85, 85.401, 34.225

 5, 85.401, 34.225

 95, 85.401, 34.225

 0, 85.401, 34.225

 45, 85.401, 34.225

 45, 85.401, 34.225

 45, 85.816, 34.511

 46, 79.011, 29.474

 48, 71.558, 24.832

■ 51, 63.145, 20.873

■ 54, 53.992, 17.680

■ 59, 44.418, 15.161

■ 64, 34.761, 13.176

■ 69, 25.297, 11.595

■ 75, 16.205, 10.312

■ 80, 7.581, 9.229

Harmonies

Complementary

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



45, 85.401, 34.225



77, 50.243, 178.135

Rectangle

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



45, 85.401, 34.225



45, 85.401, 84.225



45, 85.401, 214.225



45, 85.401, 264.225

Sweetspot

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



45, 85.398, 34.227



80, 29.832, 11.735



46, 102.434, 323.082



40, 20.573, 12.380



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, 85.398, 34.227



53, 98.206, 34.995



52, 79.918, 50.757



42, 4.611, 9.240



35, 71.721, 33.700



5, 21.983, 13.834

Inverse Universe

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



45, 85.398, 34.227



53, 98.206, 34.995



55, 48.541, 267.703



42, 4.611, 9.240



35, 71.721, 33.700



5, 21.983, 13.834

Previews

White Background



This preview shows how the CIELCh color 45, 85.401, 34.225 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, 85.401, 34.225 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, 85.401, 34.225

Background



This preview shows how black text looks on a background with the CIELCh color 45, 85.401, 34.225.



This preview shows how white text looks on a background with the CIELCh color 45, 85.401, 34.225.

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, 85.459, 34.178

Protanopia

46, 34.223, 96.506

Tritanopia

45, 90.334, 40.880

Trichromacy



Original Color
45, 85.459, 34.178

Protanomaly
40, 46.493, 44.452

Tritanomaly
45, 88.761, 38.869

Monochromacy



Original Color
45, 85.459, 34.178

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 36.316, 18.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 85.401, 34.225 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, 1, 30)` looks like.

```
.text, #text, p{  
    color:rgb(215, 1, 30)  
}
```

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, 1, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 1, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 85.401, 34.225 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, 1, 30) }
```

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

```
.border{ border-color:rgb(215, 1, 30) }
```

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

Here you see how a box with a 4 pixel rgb(215, 1, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 1, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 1, 30);  
box-shadow:4px 4px 4px 4px rgb(215, 1, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 85.401, 34.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 1, 30) }
```

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

```
.background{ background-color: rgb(215, 1,  
30) }
```

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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