

Converting Colors

CIELCh(48, 86.689, 34.768)

Have a look what the booklet for
CIELCh(48, 86.689, 34.768) contains.

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Color

CIELCh(48, 86.541, 34.697)

Conversions

Conversions Part 1

Format	Color
Hex	E11722
RGB	225, 23, 34
RGB Percent	88%, 9%, 13%
CMY	0.1160, 0.9106, 0.8656
CMYK	0.00, 0.90, 0.85, 0.12
HSL	357°, 82%, 49%
HSV	357°, 90%, 88%
XYZ	31.7738, 16.7945, 3.1019
YIQ	84.6520, 116.8610, 46.2450

Conversions

Conversions Part 2

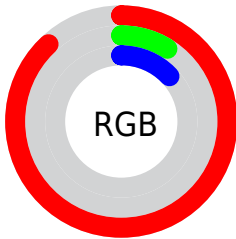
Format	Color
RYB	225, 23, 34
Decimal	14751522
CIELab	48.00, 71.15, 49.26
CIElCh	48, 86.541, 34.697
Yxy	16.7945, 0.6149, 0.3250
Android (android.graphics.Color)	4292941602 (0xFFE11722)
YUV	84.6520, -24.9714, 123.0852
Hunter-Lab	40.9810, 66.6793, 24.1991

Details

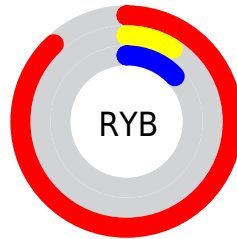
The CIELCh color **48, 86.541, 34.697** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **81, 46.978, 188.721**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.145, 34.301**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **47, 92.953, 38.187**, and if you desaturate by 10%, it is **50, 77.996, 30.539**.

Distribution



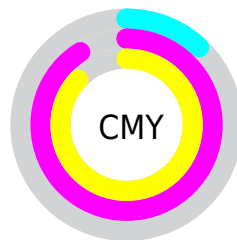
- Red (88%)
- Green (9%)
- Blue (13%)



- Red (88%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (90%)
- Yellow (85%)
- Black (12%)



- Cyan (12%)
- Magenta (91%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 86.541, 34.697 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 48, 86.541, 34.697 by changing the saturation by 10% instead.

 48, 86.541, 34.697

 48, 86.541, 34.697

 100, 86.541,
34.697

 38, 86.541, 34.697

 68, 86.541, 34.697

 28, 86.541, 34.697

 78, 86.541, 34.697

 18, 86.541, 34.697

 88, 86.541, 34.697

 8, 86.541, 34.697

 98, 86.541, 34.697

 0, 86.541, 34.697

 48, 86.541, 34.697

 48, 86.541, 34.697

 47, 92.953, 38.187

 50, 77.996, 30.539

 47, 93.014, 38.215

 53, 68.305, 26.719

■ 56, 57.985, 23.555

■ 61, 47.420, 21.050

■ 66, 36.955, 19.099

■ 72, 26.850, 17.577

■ 78, 17.268, 16.375

■ 84, 8.282, 15.391

■ 90, 0.094, 201.044

Harmonies

Complementary

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



48, 86.541, 34.697



81, 46.978, 188.721

Rectangle

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



48, 86.541, 34.697



48, 86.541, 84.697



48, 86.541, 214.697



48, 86.541, 264.697

Sweetspot

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



48, 86.538, 34.699



82, 26.576, 17.226



52, 103.322, 325.731



41, 18.112, 17.678



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 86.538, 34.699



53, 102.387, 38.429



59, 74.428, 57.332



44, 4.734, 15.351



36, 76.742, 37.651



6, 25.415, 18.558

Inverse Universe

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



48, 86.538, 34.699



53, 102.387, 38.429



56, 52.812, 272.455



44, 4.734, 15.351



36, 76.742, 37.651



6, 25.415, 18.558

Previews

White Background



This preview shows how the CIELCh color 48, 86.541, 34.697 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 48, 86.541, 34.697 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 48, 86.541, 34.697

Background



This preview shows how black text looks on a background with the CIELCh color 48, 86.541, 34.697.



This preview shows how white text looks on a background with the CIELCh color 48, 86.541, 34.697.

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

48, 86.448, 34.774

Protanopia

48, 34.630, 96.055

Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 89.922, 38.414

Trichromacy



Original Color
48, 86.448, 34.774

Protanomaly
44, 46.874, 48.241

Deuteranomaly
45, 62.961, 55.027

Tritanomaly
48, 88.637, 37.100

Monochromacy



Original Color
48, 86.448, 34.774

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 34.352, 20.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 86.541, 34.697 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(225, 23, 34)` looks like.

```
.text, #text, p{  
    color:rgb(225, 23, 34)  
}
```

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(225, 23, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 23, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 86.541, 34.697 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(225, 23, 34) }
```

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

```
.border{ border-color:rgb(225, 23, 34) }
```

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

Here you see how a box with a 4 pixel rgb(225, 23, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 23, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 23, 34);  
box-shadow:4px 4px 4px 4px rgb(225, 23,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 86.541, 34.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 23, 34) }
```

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

```
.background{ background-color: rgb(225, 23,  
34) }
```

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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