

Converting Colors

CIELCh(45, 81.247, 36.088)

Have a look what the booklet for
CIELCh(45, 81.247, 36.088) contains.

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Color

CIELCh(45, 81.323, 36.125)

Conversions

Conversions Part 1

Format	Color
Hex	D11D1D
RGB	209, 29, 29
RGB Percent	82%, 11%, 11%
CMY	0.1801, 0.8857, 0.8860
CMYK	0.00, 0.86, 0.86, 0.18
HSL	0°, 76%, 47%
HSV	0°, 86%, 82%
XYZ	26.9838, 14.5417, 2.5510
YIQ	82.8200, 107.2800, 38.1600

Conversions

Conversions Part 2

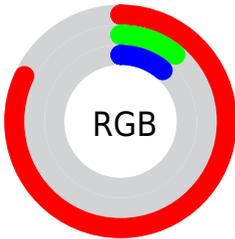
Format	Color
RYB	209, 29, 29
Decimal	13704477
CIELab	45.00, 65.69, 47.94
CIElCh	45, 81.323, 36.125
Yxy	14.5417, 0.6122, 0.3299
Android (android.graphics.Color)	4291894557 (0xFFD11D1D)
YUV	82.8200, -26.5333, 110.6599
Hunter-Lab	38.1336, 59.5751, 22.7273

Details

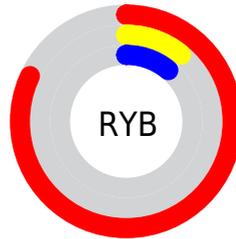
The CIELCh color **45, 81.323, 36.125** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **76, 42.034, 196.521**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 73.467, 36.105**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **44, 87.905, 39.029**, and if you desaturate by 10%, it is **47, 72.287, 32.558**.

Distribution



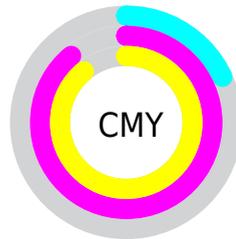
- Red (82%)
- Green (11%)
- Blue (11%)



- Red (82%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (86%)
- Black (18%)



- Cyan (18%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 81.323, 36.125 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, 81.323, 36.125 by changing the saturation by 10% instead.

 45, 81.323, 36.125  45, 81.323, 36.125

 100, 81.323,
36.125  35, 81.323, 36.125

 65, 81.323, 36.125  25, 81.323, 36.125

 75, 81.323, 36.125  15, 81.323, 36.125

 85, 81.323, 36.125  5, 81.323, 36.125

 95, 81.323, 36.125  0, 81.323, 36.125

 45, 81.323, 36.125  45, 81.323, 36.125

 44, 87.905, 39.029  47, 72.287, 32.558

 44, 90.029, 40.004  50, 62.231, 29.252

■ 54, 51.813, 26.526

■ 59, 41.439, 24.388

■ 64, 31.401, 22.746

■ 69, 21.885, 21.487

■ 75, 12.987, 20.512

■ 80, 4.731, 19.697

■ 86, 2.905, 199.438

Harmonies

Complementary

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



45, 81.323, 36.125



76, 42.034, 196.521

Rectangle

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



45, 81.323, 36.125



45, 81.323, 86.125



45, 81.323, 216.125



45, 81.323, 266.125

Sweetspot

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



45, 81.320, 36.127



82, 25.630, 21.509



51, 95.996, 328.112



42, 17.604, 21.915



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, 81.320, 36.127



53, 104.570, 40.003



59, 66.209, 63.730



41, 4.458, 19.964



35, 76.449, 39.869



4, 20.012, 19.489

Inverse Universe

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



76, 42.034, 196.521



91, 50.081, 196.458



50, 54.018, 278.224



43, 4.201, 199.015



62, 36.688, 196.456



14, 14.031, 196.443

Previews

White Background



This preview shows how the CIELCh color 45, 81.323, 36.125 looks on a white background.

Color Contrast Check

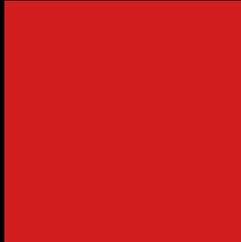
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.323, 36.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

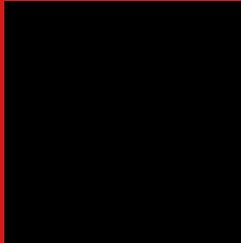
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

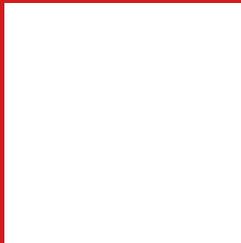
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 81.323, 36.125

Background



This preview shows how black text looks on a background with the CIELCh color 45, 81.323, 36.125.



This preview shows how white text looks on a background with the CIELCh color 45, 81.323, 36.125.

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, 81.323, 36.125

Protanopia

46, 35.358, 95.772

Deuteranopia

45, 52.648, 83.976



Tritanopia
45, 81.980, 37.049

Trichromacy



Original Color
45, 81.323, 36.125

Protanomaly
42, 45.099, 52.681

Deuteranomaly
43, 59.299, 56.610

Tritanomaly
45, 81.721, 36.786

Monochromacy



Original Color
45, 81.323, 36.125

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 31.313, 24.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 81.323, 36.125 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(209, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(209, 29, 29)  
}
```

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(209, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 29, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 81.323, 36.125 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(209, 29, 29) }
```

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

```
.border{ border-color:rgb(209, 29, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 29, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 29, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 29, 29);  
box-shadow:4px 4px 4px 4px rgb(209, 29,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 81.323, 36.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 29, 29) }
```

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

```
.background{ background-color: rgb(209, 29,  
29) }
```

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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