

Converting Colors

CIELCh(42, 82.093, 23.748)

Have a look what the booklet for
CIELCh(42, 82.093, 23.748) contains.

CIELCh(44, 78.325, 26.877)	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(44, 78.325, 26.877)

Conversions

Conversions Part 1

Format	Color
Hex	D10132
RGB	209, 1, 50
RGB Percent	82%, 0%, 20%
CMY	0.1794, 0.9971, 0.8033
CMYK	0.00, 1.00, 0.76, 0.18
HSL	346°, 99%, 41%
HSV	346°, 100%, 82%
XYZ	26.9510, 13.8382, 4.2870
YIQ	68.7780, 108.2390, 59.3350

Conversions

Conversions Part 2

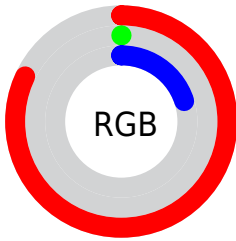
Format	Color
RYB	209, 1, 50
Decimal	13697330
CIELab	44.00, 69.86, 35.41
CIELCh	44, 78.325, 26.877
Yxy	13.8382, 0.5979, 0.3070
Android (android.graphics.Color)	4291887410 (0xFFD10132)
YUV	68.7780, -9.2576, 122.9747
Hunter-Lab	37.1997, 64.2227, 19.2071

Details

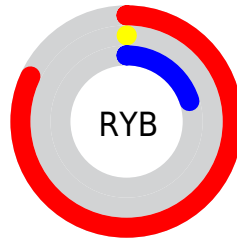
The CIELCh color **44, 78.325, 26.877** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **75, 56.215, 167.148**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.111, 25.734**, and **30, 66.265, 37.303** is the 20% darker color. If you saturate the color by 10%, you get **44, 78.505, 27.063**, and if you desaturate by 10%, it is **45, 73.377, 21.520**.

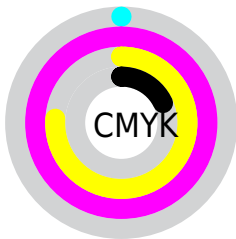
Distribution



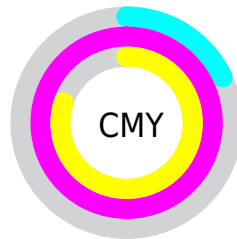
- Red (82%)
- Green (0%)
- Blue (20%)



- Red (82%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 78.325, 26.877 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 44, 78.325, 26.877 by changing the saturation by 10% instead.

 44, 78.325, 26.877

 44, 78.325, 26.877

 100, 78.325,
26.877

 34, 78.325, 26.877

 64, 78.325, 26.877

 24, 78.325, 26.877

 74, 78.325, 26.877

 14, 78.325, 26.877

 84, 78.325, 26.877

 4, 78.325, 26.877

 94, 78.325, 26.877

 0, 78.325, 26.877

 44, 78.325, 26.877

 44, 78.325, 26.877

 44, 78.505, 27.063

 45, 73.377, 21.520

 47, 67.585, 16.744

■ 50, 60.606, 12.846

■ 53, 52.567, 9.754

■ 57, 43.801, 7.311

■ 62, 34.685, 5.362

■ 67, 25.537, 3.777

■ 73, 16.582, 2.460

■ 78, 7.953, 1.324

Harmonies

Complementary

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



44, 78.325, 26.877



75, 56.215, 167.148

Rectangle

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



44, 78.325, 26.877



44, 78.325, 76.877



44, 78.325, 206.877



44, 78.325, 256.877

Sweetspot

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



44, 78.322, 26.879



80, 30.384, 3.879



41, 102.184, 318.940



40, 20.878, 4.525



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 78.322, 26.879



54, 91.632, 27.764



47, 83.563, 45.006



41, 4.675, 1.299



35, 66.288, 26.118



4, 20.300, 8.529

Inverse Universe

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



44, 78.322, 26.879



54, 91.632, 27.764



61, 39.448, 246.516



41, 4.675, 1.299



35, 66.288, 26.118



4, 20.300, 8.529

Previews

White Background



This preview shows how the CIELCh color 44, 78.325, 26.877 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 44, 78.325, 26.877 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 44, 78.325, 26.877

Background



This preview shows how black text looks on a background with the CIELCh color 44, 78.325, 26.877.



This preview shows how white text looks on a background with the CIELCh color 44, 78.325, 26.877.

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

44, 78.259, 26.930

Protanopia

45, 18.110, 96.024

Deuteranopia

45, 39.739, 81.367



Tritanopia
44, 86.198, 39.179

Trichromacy



Original Color
44, 78.259, 26.930

Protanomaly
39, 38.002, 26.643

Deuteranomaly
40, 51.059, 41.188

Tritanomaly
44, 83.589, 35.642

Monochromacy



Original Color
44, 78.259, 26.930

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 35.432, 10.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 78.325, 26.877 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, 1, 50)` looks like.

```
.text, #text, p{  
    color:rgb(209, 1, 50)  
}
```

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, 1, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 1, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 78.325, 26.877 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, 1, 50) }
```

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

```
.border{ border-color:rgb(209, 1, 50) }
```

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

Here you see how a box with a 4 pixel rgb(209, 1, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 1, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 1, 50);  
box-shadow:4px 4px 4px 4px rgb(209, 1, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 78.325, 26.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 1, 50) }
```

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

```
.background{ background-color: rgb(209, 1,  
50) }
```

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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