

Converting Colors

CIELCh(44, 78.265, 36.171)

Have a look what the booklet for
CIELCh(44, 78.265, 36.171) contains.

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Color

CIELCh(44, 78.297, 36.154)

Conversions

Conversions Part 1

Format	Color
Hex	CB211E
RGB	203, 33, 30
RGB Percent	80%, 13%, 12%
CMY	0.2046, 0.8715, 0.8829
CMYK	0.00, 0.84, 0.85, 0.20
HSL	1°, 74%, 46%
HSV	1°, 85%, 80%
XYZ	25.3484, 13.8382, 2.5547
YIQ	83.4880, 102.2830, 35.1070

Conversions

Conversions Part 2

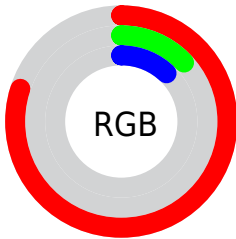
Format	Color
R_{YB}	203, 33, 30
Decimal	13312286
CIE _{Lab}	44.00, 63.22, 46.19
CIE _{LCh}	44, 78.297, 36.154
Yxy	13.8382, 0.6073, 0.3315
Android (android.graphics.Color)	4291502366 (0xFFFCB211E)
YUV	83.4880, -26.3696, 104.8120
Hunter-Lab	37.1997, 56.5326, 21.9680

Details

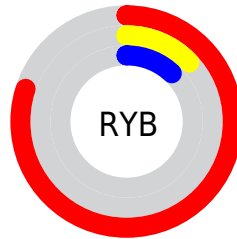
The CIELCh color **44, 78.297, 36.154** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **73, 40.120, 198.798**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 73.235, 36.413**, and **28, 65.630, 38.991** is the 20% darker color. If you saturate the color by 10%, you get **43, 85.212, 38.964**, and if you desaturate by 10%, it is **46, 69.206, 32.810**.

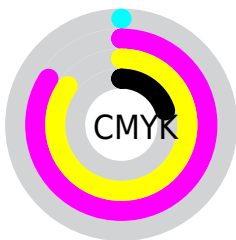
Distribution



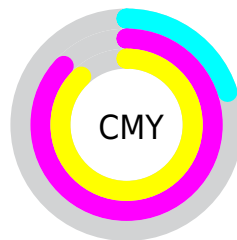
- Red (80%)
- Green (13%)
- Blue (12%)



- Red (80%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (84%)
- Yellow (85%)
- Black (20%)






- Cyan (20%)
- Magenta (87%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 78.297, 36.154 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, 78.297, 36.154 by changing the saturation by 10% instead.

 44, 78.297, 36.154	 44, 78.297, 36.154
 100, 78.297, 36.154	 34, 78.297, 36.154
 64, 78.297, 36.154	 24, 78.297, 36.154
 74, 78.297, 36.154	 14, 78.297, 36.154
 84, 78.297, 36.154	 4, 78.297, 36.154
 94, 78.297, 36.154	 0, 78.297, 36.154

 44, 78.297, 36.154	 44, 78.297, 36.154
 43, 85.212, 38.964	 46, 69.206, 32.810
 42, 87.779, 40.157	 49, 59.269, 29.753

■ 53, 49.095, 27.244

■ 58, 39.054, 25.282

■ 62, 29.399, 23.776

■ 68, 20.286, 22.627

■ 73, 11.786, 21.738

■ 79, 3.910, 20.979

■ 84, 3.370, 200.777

Harmonies

Complementary

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



44, 78.297, 36.154



73, 40.120, 198.798

Rectangle

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



44, 78.297, 36.154



44, 78.297, 86.154



44, 78.297, 216.154



44, 78.297, 266.154

Sweetspot

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



44, 78.294, 36.156



83, 25.238, 22.736



49, 92.329, 328.694



42, 17.339, 23.116



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, 78.294, 36.156



53, 104.374, 40.118



58, 63.897, 65.395



40, 4.297, 21.296



34, 75.322, 40.041



4, 17.731, 20.242

Inverse Universe

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



73, 40.120, 198.798



90, 48.916, 199.089



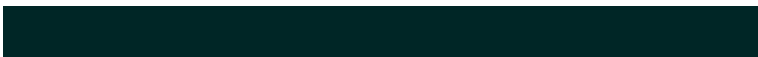
48, 53.800, 279.497



42, 4.049, 200.455



61, 35.455, 199.013



13, 13.262, 198.460

Previews

White Background



This preview shows how the CIELCh color 44, 78.297, 36.154 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, 78.297, 36.154 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, 78.297, 36.154

Background



This preview shows how black text looks on a background with the CIELCh color 44, 78.297, 36.154.



This preview shows how white text looks on a background with the CIELCh color 44, 78.297, 36.154.

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, 78.297, 36.154

Protanopia

44, 33.924, 95.452

Deuteranopia

44, 51.845, 84.188



Tritanopia
44, 78.026, 35.853

Trichromacy



Original Color
44, 78.297, 36.154

Protanomaly
41, 43.029, 53.349

Deuteranomaly
42, 57.389, 57.834

Tritanomaly
44, 78.026, 35.853

Monochromacy



Original Color
44, 78.297, 36.154

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 29.456, 25.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 78.297, 36.154 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(203, 33, 30)` looks like.

```
.text, #text, p{  
    color:rgb(203, 33, 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(203, 33, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 33, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 78.297, 36.154 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(203, 33, 30) }
```

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

```
.border{ border-color:rgb(203, 33, 30) }
```

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

Here you see how a box with a 4 pixel rgb(203, 33, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 33, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 33, 30);  
box-shadow:4px 4px 4px 4px rgb(203, 33,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 78.297, 36.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 33, 30) }
```

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

```
.background{ background-color: rgb(203, 33,  
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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