

Converting Colors

CIELCh(44, 75.380, 21.610)

Have a look what the booklet for
CIELCh(44, 75.380, 21.610) contains.

CIELCh(44, 75.226, 21.404)	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, 75.226, 21.404)

Conversions

Conversions Part 1

Format	Color
Hex	D0023F
RGB	208, 2, 63
RGB Percent	82%, 1%, 25%
CMY	0.1835, 0.9934, 0.7523
CMYK	0.00, 0.99, 0.70, 0.18
HSL	342°, 98%, 41%
HSV	342°, 99%, 82%
XYZ	26.9937, 13.8382, 5.9735
YIQ	70.5480, 103.1950, 62.6430

Conversions

Conversions Part 2

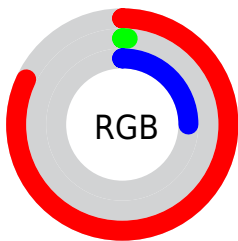
Format	Color
RYB	208, 2, 63
Decimal	13632063
CIELab	44.00, 70.04, 27.45
CIELCh	44, 75.226, 21.404
Yxy	13.8382, 0.5767, 0.2957
Android (android.graphics.Color)	4291822143 (0xFFD0023F)
YUV	70.5480, -3.7212, 120.5454
Hunter-Lab	37.1997, 64.4276, 16.5191

Details

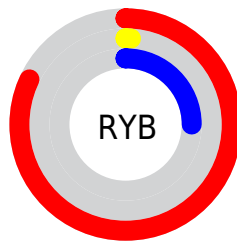
The CIELCh color **44, 75.226, 21.404** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **74, 60.391, 162.027**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.659, 19.877**, and **30, 62.338, 31.764** is the 20% darker color. If you saturate the color by 10%, you get **44, 75.556, 21.834**, and if you desaturate by 10%, it is **45, 71.263, 16.073**.

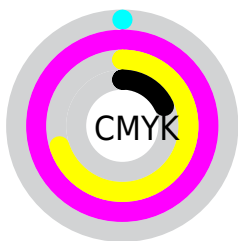
Distribution



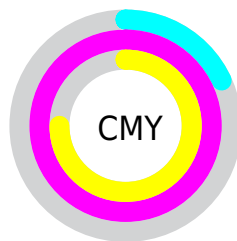
- Red (82%)
- Green (1%)
- Blue (25%)



- Red (82%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (18%)



- Cyan (18%)
- Magenta (99%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 75.226, 21.404 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, 75.226, 21.404 by changing the saturation by 10% instead.

 44, 75.226, 21.404

 44, 75.226, 21.404

 100, 75.226,
21.404

 34, 75.226, 21.404

 64, 75.226, 21.404

 24, 75.226, 21.404

 74, 75.226, 21.404

 14, 75.226, 21.404

 84, 75.226, 21.404

 4, 75.226, 21.404

 94, 75.226, 21.404

 0, 75.226, 21.404

 44, 75.226, 21.404

 44, 75.226, 21.404

 44, 75.556, 21.834

 45, 71.263, 16.073

 47, 66.258, 11.511

■ 50, 59.850, 7.855

■ 53, 52.196, 4.970

■ 58, 43.664, 2.684

■ 62, 34.661, 0.843

■ 67, 25.529,
359.328

■ 73, 16.509,
358.052

■ 78, 7.751, 356.935

Harmonies

Complementary

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



44, 75.226, 21.404



74, 60.391, 162.027

Rectangle

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



44, 75.226, 21.404



44, 75.226, 71.404



44, 75.226, 201.404



44, 75.226, 251.404

Sweetspot

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



44, 75.223, 21.406



80, 30.981, 359.491



39, 102.567, 317.337



40, 21.248, 0.116



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, 75.223, 21.406



54, 88.404, 22.571



46, 84.832, 43.252



41, 4.806, 356.960



35, 64.162, 20.894



4, 20.486, 5.676

Inverse Universe

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



44, 75.223, 21.406



54, 88.404, 22.571



63, 37.668, 235.610



41, 4.806, 356.960



35, 64.162, 20.894



4, 20.486, 5.676

Previews

White Background



This preview shows how the CIELCh color 44, 75.226, 21.404 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, 75.226, 21.404 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, 75.226, 21.404

Background



This preview shows how black text looks on a background with the CIELCh color 44, 75.226, 21.404.



This preview shows how white text looks on a background with the CIELCh color 44, 75.226, 21.404.

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, 75.155, 21.457

Protanopia

45, 7.441, 92.342

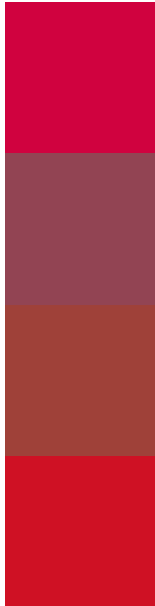
Deuteranopia

45, 32.034, 79.003



Tritanopia
44, 82.993, 37.805

Trichromacy



Original Color
44, 75.155, 21.457

Protanomaly
39, 35.121, 11.247

Deuteranomaly
40, 45.719, 32.554

Tritanomaly
44, 79.994, 32.756

Monochromacy



Original Color
44, 75.155, 21.457

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 35.165, 4.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 75.226, 21.404 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(208, 2, 63)` looks like.

```
.text, #text, p{  
    color:rgb(208, 2, 63)  
}
```

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(208, 2, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 2, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 75.226, 21.404 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(208, 2, 63) }
```

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

```
.border{ border-color:rgb(208, 2, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 2, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 2, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 2, 63);  
box-shadow:4px 4px 4px 4px rgb(208, 2, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 75.226, 21.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 2, 63) }
```

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

```
.background{ background-color: rgb(208, 2,  
63) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor