

Converting Colors

CIELCh(46, 77.905, 37.415)

Have a look what the booklet for
CIELCh(46, 77.905, 37.415) contains.

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Color

CIELCh(46, 77.908, 37.422)

Conversions

Conversions Part 1

Format	Color
Hex	D02C20
RGB	208, 44, 32
RGB Percent	82%, 17%, 13%
CMY	0.1851, 0.8283, 0.8751
CMYK	0.00, 0.79, 0.85, 0.19
HSL	4°, 73%, 47%
HSV	4°, 85%, 81%
XYZ	27.1062, 15.2687, 2.8747
YIQ	91.6680, 101.5960, 31.0360

Conversions

Conversions Part 2

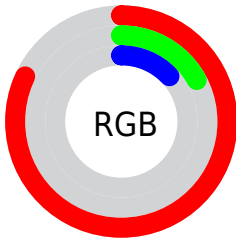
Format	Color
RYB	208, 45, 32
Decimal	13642784
CIELab	46.00, 61.87, 47.34
CIELCh	46, 77.908, 37.422
Yxy	15.2687, 0.5990, 0.3374
Android (android.graphics.Color)	4291832864 (0xFFD02C20)
YUV	91.6680, -29.4163, 102.0232
Hunter-Lab	39.0751, 55.4431, 22.9908

Details

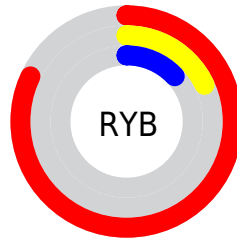
The CIELCh color **46, 77.908, 37.422** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **72, 38.512, 206.518**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 70.554, 37.981**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **44, 85.595, 39.613**, and if you desaturate by 10%, it is **49, 68.251, 34.759**.

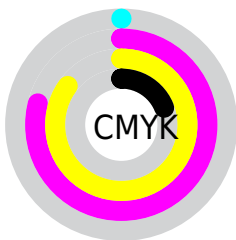
Distribution



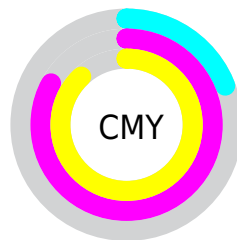
- Red (82%)
- Green (17%)
- Blue (13%)



- Red (82%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (79%)
- Yellow (85%)
- Black (19%)



- Cyan (19%)
- Magenta (83%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 77.908, 37.422 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 46, 77.908, 37.422 by changing the saturation by 10% instead.

 46, 77.908, 37.422  46, 77.908, 37.422

 100, 77.908,
37.422  36, 77.908, 37.422

 66, 77.908, 37.422  26, 77.908, 37.422

 76, 77.908, 37.422  16, 77.908, 37.422

 86, 77.908, 37.422  6, 77.908, 37.422

 96, 77.908, 37.422  0, 77.908, 37.422

 46, 77.908, 37.422  46, 77.908, 37.422

 44, 85.595, 39.613  49, 68.251, 34.759

 44, 88.699, 40.639  52, 57.959, 32.315

■ 56, 47.643, 30.311

■ 60, 37.634, 28.753

■ 65, 28.131, 27.574

■ 70, 19.235, 26.695

■ 75, 10.981, 26.036

■ 81, 3.356, 25.458

■ 86, 3.680, 205.457

Harmonies

Complementary

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



46, 77.908, 37.422



72, 38.512, 206.518

Rectangle

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



46, 77.908, 37.422



46, 77.908, 87.422



46, 77.908, 217.422



46, 77.908, 267.422

Sweetspot

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



46, 77.905, 37.424



84, 23.073, 26.743



50, 90.541, 330.588



43, 15.969, 27.031



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 77.905, 37.424



54, 103.698, 40.520



62, 64.537, 69.954



41, 4.178, 25.744



35, 75.527, 40.720



5, 19.203, 22.872

Inverse Universe

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



72, 38.512, 206.518



86, 45.896, 208.197



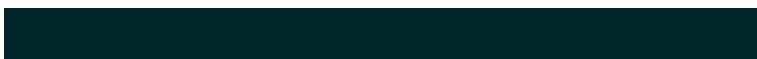
46, 59.556, 283.956



43, 3.932, 205.260



59, 33.686, 207.858



13, 13.069, 205.459

Previews

White Background



This preview shows how the CIELCh color 46, 77.908, 37.422 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 46, 77.908, 37.422 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 46, 77.908, 37.422

Background



This preview shows how black text looks on a background with the CIELCh color 46, 77.908, 37.422.



This preview shows how white text looks on a background with the CIELCh color 46, 77.908, 37.422.

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

46, 77.908, 37.422

Protanopia

46, 35.804, 95.921

Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 75.229, 33.509

Trichromacy



Original Color
46, 77.908, 37.422

Protanomaly
44, 43.893, 56.906

Deuteranomaly
44, 58.537, 59.316

Tritanomaly
46, 76.152, 35.061

Monochromacy



Original Color
46, 77.908, 37.422

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 28.128, 29.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 77.908, 37.422 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, 44, 32)` looks like.

```
.text, #text, p{  
    color:rgb(208, 44, 32)  
}
```

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, 44, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 44, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 77.908, 37.422 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, 44, 32) }
```

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

```
.border{ border-color:rgb(208, 44, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 44, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 44, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 44, 32);  
box-shadow:4px 4px 4px 4px rgb(208, 44,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 77.908, 37.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 44, 32) }
```

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

```
.background{ background-color: rgb(208, 44,  
32) }
```

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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