

Converting Colors

CIELCh(37, 80.869, 17.991)

Have a look what the booklet for
CIELCh(37, 80.869, 17.991) contains.

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Color

CIELCh(41, 72.326, 24.008)

Conversions

Conversions Part 1

Format	Color
Hex	C20435
RGB	194, 4, 53
RGB Percent	76%, 2%, 21%
CMY	0.2376, 0.9850, 0.7922
CMYK	0.00, 0.98, 0.73, 0.24
HSL	345°, 96%, 39%
HSV	345°, 98%, 76%
XYZ	23.0401, 11.8645, 4.4418
YIQ	66.3960, 97.5110, 55.5190

Conversions

Conversions Part 2

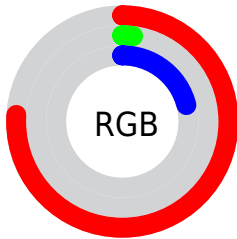
Format	Color
RYB	194, 4, 53
Decimal	12715061
CIELab	41.00, 66.07, 29.43
CIELCh	41, 72.326, 24.008
Yxy	11.8645, 0.5856, 0.3015
Android (android.graphics.Color)	4290905141 (0xFFC20435)
YUV	66.3960, -6.6042, 111.9087
Hunter-Lab	34.4449, 59.1193, 16.4657

Details

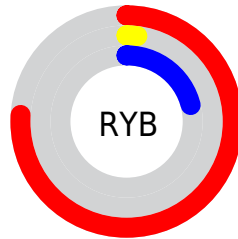
The CIELCh color **41, 72.326, 24.008** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **70, 54.181, 165.686**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 71.128, 23.937**, and **27, 60.382, 35.226** is the 20% darker color. If you saturate the color by 10%, you get **41, 73.217, 25.028**, and if you desaturate by 10%, it is **42, 67.879, 18.724**.

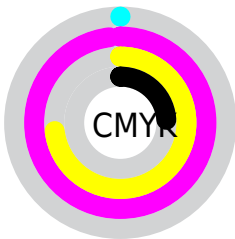
Distribution



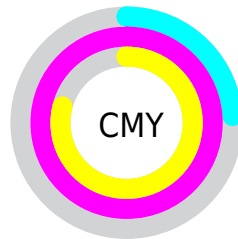
- Red (76%)
- Green (2%)
- Blue (21%)



- Red (76%)
- Yellow (2%)
- Blue (21%)



- Cyan (0%)
- Magenta (98%)
- Yellow (73%)
- Black (24%)



- Cyan (24%)
- Magenta (99%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 72.326, 24.008 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 41, 72.326, 24.008 by changing the saturation by 10% instead.

 41, 72.326, 24.008

 41, 72.326, 24.008

 100, 72.326,
24.008

 31, 72.326, 24.008

 61, 72.326, 24.008

 21, 72.326, 24.008

 71, 72.326, 24.008

 11, 72.326, 24.008

 81, 72.326, 24.008

 1, 72.326, 24.008

 91, 72.326, 24.008

 0, 72.326, 24.008

 41, 72.326, 24.008

 41, 72.326, 24.008

 41, 73.217, 25.028

 42, 67.879, 18.724

 44, 62.468, 14.190

■ 47, 55.877, 10.535

■ 50, 48.276, 7.643

■ 54, 40.005, 5.352

■ 59, 31.423, 3.510

■ 64, 22.820, 2.001

■ 69, 14.397, 0.733

■ 74, 6.271, 359.622

Harmonies

Complementary

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



41, 72.326, 24.008



70, 54.181, 165.686

Rectangle

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



41, 72.326, 24.008



41, 72.326, 74.008



41, 72.326, 204.008



41, 72.326, 254.008

Sweetspot

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



41, 72.323, 24.010



80, 29.259, 2.199



38, 96.484, 318.513



40, 20.379, 2.838



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 72.323, 24.010



53, 89.729, 26.007



44, 78.455, 44.457



38, 4.430, 359.767



33, 63.188, 24.142



3, 14.463, 5.615

Inverse Universe

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



41, 72.323, 24.010



53, 89.729, 26.007



58, 36.461, 242.097



38, 4.430, 359.767



33, 63.188, 24.142



3, 14.463, 5.615

Previews

White Background



This preview shows how the CIELCh color 41, 72.326, 24.008 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 41, 72.326, 24.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

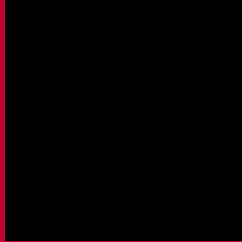
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 72.326, 24.008

Background



This preview shows how black text looks on a background with the CIELCh color 41, 72.326, 24.008.



This preview shows how white text looks on a background with the CIELCh color 41, 72.326, 24.008.

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

41, 72.160, 23.954

Protanopia

42, 12.303, 95.721

Deuteranopia

42, 33.642, 80.204



Tritanopia
41, 79.952, 38.329

Trichromacy



Original Color
41, 72.160, 23.954

Protanomaly
37, 34.105, 19.655

Deuteranomaly
38, 45.089, 36.856

Tritanomaly
41, 77.318, 34.112

Monochromacy



Original Color
41, 72.160, 23.954

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.045, 7.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 72.326, 24.008 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(194, 4, 53)` looks like.

```
.text, #text, p{  
    color:rgb(194, 4, 53)  
}
```

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(194, 4, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 4, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 72.326, 24.008 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(194, 4, 53) }
```

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

```
.border{ border-color:rgb(194, 4, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 4, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 4, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 4, 53);  
box-shadow:4px 4px 4px 4px rgb(194, 4, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 72.326, 24.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 4, 53) }
```

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

```
.background{ background-color: rgb(194, 4,  
53) }
```

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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