

Converting Colors

CIELCh(50, 64.254, 40.397)

Have a look what the booklet for
CIELCh(50, 64.254, 40.397) contains.

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Color

CIELCh(50, 64.303, 40.423)

Conversions

Conversions Part 1

Format	Color
Hex	CC4D32
RGB	204, 77, 50
RGB Percent	80%, 30%, 20%
CMY	0.1994, 0.6975, 0.8034
CMYK	0.00, 0.62, 0.75, 0.20
HSL	11°, 61%, 50%
HSV	11°, 75%, 80%
XYZ	28.1879, 18.4187, 5.1007
YIQ	111.8950, 84.3590, 18.5270

Conversions

Conversions Part 2

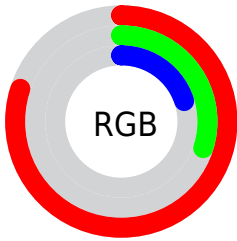
Format	Color
R_{YB}	204, 83, 50
Decimal	13389106
CIE Lab	50.00, 48.95, 41.70
CIE LCh	50, 64.303, 40.423
Yxy	18.4187, 0.5451, 0.3562
Android (android.graphics.Color)	4291579186 (0xFFCC4D32)
YUV	111.8950, -30.5142, 80.7761
Hunter-Lab	42.9170, 42.1343, 22.9952

Details

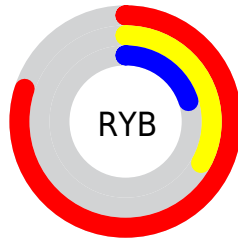
The CIELCh color **50, 64.303, 40.423** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **67, 34.185, 223.416**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 59.300, 41.460**, and **30, 64.179, 40.631** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.950, 41.666**, and if you desaturate by 10%, it is **53, 54.244, 39.196**.

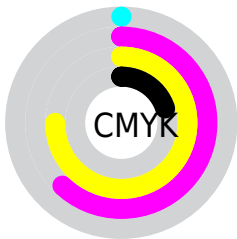
Distribution



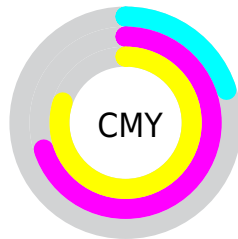
- Red (80%)
- Green (30%)
- Blue (20%)



- Red (80%)
- Yellow (33%)
- Blue (20%)



- Cyan (0%)
- Magenta (62%)
- Yellow (75%)
- Black (20%)



- Cyan (20%)
- Magenta (70%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 64.303, 40.423 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 50, 64.303, 40.423 by changing the saturation by 10% instead.

■ 50, 64.303, 40.423

■ 50, 64.303, 40.423

■ 100, 64.303,
40.423

■ 40, 64.303, 40.423

■ 70, 64.303, 40.423

■ 30, 64.303, 40.423

■ 80, 64.303, 40.423

■ 20, 64.303, 40.423

■ 90, 64.303, 40.423

■ 10, 64.303, 40.423

■ 0, 64.303, 40.423

■ 50, 64.303, 40.423

■ 50, 64.303, 40.423

■ 47, 73.950, 41.666

■ 53, 54.244, 39.196

■ 45, 81.880, 42.336

■ 57, 44.384, 38.192

■ 44, 84.933, 42.646

■ 61, 34.997, 37.457

65, 26.203, 36.969

70, 18.042, 36.684

75, 10.505, 36.552

79, 3.556, 36.465

84, 2.855, 216.929

89, 8.783, 216.980

Harmonies

Complementary

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



50, 64.303, 40.423



67, 34.185, 223.416

Rectangle

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



50, 64.303, 40.423



50, 64.303, 90.423



50, 64.303, 220.423



50, 64.303, 270.423

Sweetspot

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



50, 64.301, 40.426



87, 19.354, 36.645



50, 79.055, 334.304



44, 13.603, 36.716



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 64.301, 40.426



57, 94.116, 42.234



66, 59.053, 80.613



40, 3.759, 36.513



36, 72.382, 42.954



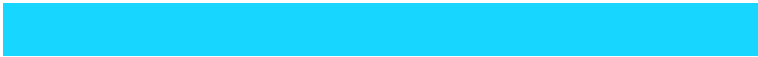
5, 16.219, 29.037

Inverse Universe

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



67, 34.185, 223.416



79, 43.002, 227.889



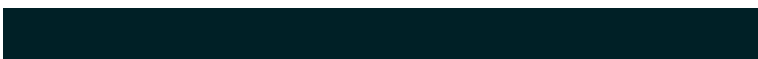
45, 61.250, 288.088



42, 3.542, 216.920



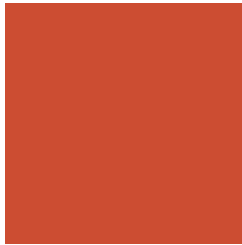
52, 31.562, 229.889



10, 11.788, 222.111

Previews

White Background



This preview shows how the CIELCh color 50, 64.303, 40.423 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 64.303, 40.423 looks on a black 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

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

CIELCh 50, 64.303, 40.423

Background



This preview shows how black text looks on a background with the CIELCh color 50, 64.303, 40.423.



This preview shows how white text looks on a background with the CIELCh color 50, 64.303, 40.423.

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

50, 64.303, 40.423

Protanopia

50, 32.899, 96.080

Deuteranopia

50, 44.422, 82.168



Tritanopia
50, 58.185, 26.469

Trichromacy



Original Color
50, 64.303, 40.423

Protanomaly
49, 38.280, 63.746

Deuteranomaly
49, 48.181, 62.029

Tritanomaly
50, 60.138, 31.910

Monochromacy



Original Color
50, 64.303, 40.423

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 22.196, 37.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 64.303, 40.423 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(204, 77, 50)` looks like.

```
.text, #text, p{  
    color:rgb(204, 77, 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(204, 77, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 77, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 64.303, 40.423 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(204, 77, 50) }
```

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

```
.border{ border-color:rgb(204, 77, 50) }
```

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

Here you see how a box with a 4 pixel rgb(204, 77, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 77, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 77, 50);  
box-shadow:4px 4px 4px 4px rgb(204, 77,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 64.303, 40.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 77, 50) }
```

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

```
.background{ background-color: rgb(204, 77,  
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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