

Converting Colors

CIELCh(49, 52.538, 65.080)

Have a look what the booklet for
CIELCh(49, 52.538, 65.080) contains.

CIELCh(49, 52.423, 64.938)	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(49, 52.423, 64.938)

Conversions

Conversions Part 1

Format	Color
Hex	A86420
RGB	168, 100, 32
RGB Percent	66%, 39%, 13%
CMY	0.3405, 0.6072, 0.8739
CMYK	0.00, 0.40, 0.81, 0.34
HSL	30°, 68%, 39%
HSV	30°, 81%, 66%
XYZ	21.0224, 17.5941, 3.6660
YIQ	112.5800, 62.3560, -6.7320

Conversions

Conversions Part 2

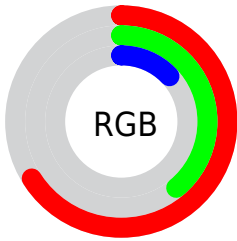
Format	Color
R_{YB}	168, 168, 32
Decimal	11035680
CIE _{Lab}	49.00, 22.21, 47.49
CIE _{LCh}	49, 52.423, 64.938
Yxy	17.5941, 0.4972, 0.4161
Android (android.graphics.Color)	4289225760 (0xFFA86420)
YUV	112.5800, -39.7259, 48.6033
Hunter-Lab	41.9453, 16.0575, 24.1797

Details

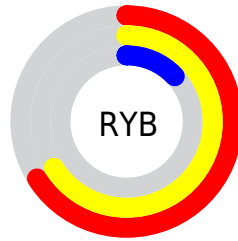
The CIELCh color **49, 52.423, 64.938** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **42, 42.610, 275.411**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 52.464, 64.664**, and **29, 45.888, 60.474** is the 20% darker color. If you saturate the color by 10%, you get **47, 58.110, 62.972**, and if you desaturate by 10%, it is **51, 45.747, 66.491**.

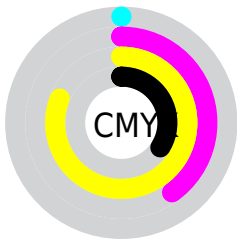
Distribution



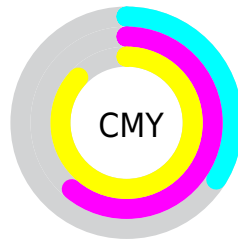
- Red (66%)
- Green (39%)
- Blue (13%)



- Red (66%)
- Yellow (66%)
- Blue (13%)



- Cyan (0%)
- Magenta (40%)
- Yellow (81%)
- Black (34%)



- Cyan (34%)
- Magenta (61%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 52.423, 64.938 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 49, 52.423, 64.938 by changing the saturation by 10% instead.

■ 49, 52.423, 64.938

■ 49, 52.423, 64.938

■ 100, 52.423,
64.938

■ 39, 52.423, 64.938

■ 69, 52.423, 64.938

■ 29, 52.423, 64.938

■ 79, 52.423, 64.938

■ 19, 52.423, 64.938

■ 89, 52.423, 64.938

■ 9, 52.423, 64.938

■ 99, 52.423, 64.938

■ 0, 52.423, 64.938

■ 49, 52.423, 64.938

■ 49, 52.423, 64.938

■ 47, 58.110, 62.972

■ 51, 45.747, 66.491

■ 45, 62.328, 60.869

■ 53, 38.734, 67.851

■ 56, 31.741, 69.135

■ 58, 24.941, 70.390

■ 61, 18.406, 71.631

■ 63, 12.156, 72.858

■ 66, 6.188, 74.054

■ 69, 0.482, 74.634

■ 71, 4.985, 256.541

Harmonies

Complementary

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



49, 52.423, 64.938



42, 42.610, 275.411

Rectangle

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



49, 52.423, 64.938



49, 52.423, 114.938



49, 52.423, 244.938



49, 52.423, 294.938

Sweetspot

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



49, 52.422, 64.941



80, 17.489, 72.423



38, 58.552, 353.880



41, 12.093, 72.004



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 52.422, 64.941



59, 74.810, 60.913



66, 64.509, 102.507



34, 3.210, 74.237



40, 56.596, 61.300



3, 5.524, 67.503

Inverse Universe

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



42, 42.610, 275.411



48, 63.166, 283.295



25, 83.963, 303.402



34, 3.143, 256.654



32, 47.277, 283.197



2, 6.102, 262.565

Previews

White Background



This preview shows how the CIELCh color 49, 52.423, 64.938 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 49, 52.423, 64.938 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 49, 52.423, 64.938

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.423, 64.938.



This preview shows how white text looks on a background with the CIELCh color 49, 52.423, 64.938.

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

49, 52.423, 64.938

Protanopia

49, 44.260, 95.498

Deuteranopia

49, 48.639, 82.627



Tritanopia
49, 34.031, 18.429

Trichromacy



Original Color
49, 52.423, 64.938

Protanomaly
49, 45.537, 82.919

Deuteranomaly
49, 49.292, 75.529

Tritanomaly
49, 37.923, 41.731

Monochromacy



Original Color
49, 52.423, 64.938

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 18.277, 69.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.423, 64.938 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(168, 100, 32)` looks like.

```
.text, #text, p{  
    color:rgb(168, 100, 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(168, 100, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 100, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.423, 64.938 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(168, 100, 32) }
```

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

```
.border{ border-color:rgb(168, 100, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 100, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 100, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 100, 32);  
box-shadow:4px 4px 4px 4px rgb(168, 100,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.423, 64.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 100, 32) }
```

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

```
.background{ background-color: rgb(168,  
100, 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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