

Converting Colors

CIELCh(64, 65.433, 82.728)

Have a look what the booklet for
CIELCh(64, 65.433, 82.728) contains.

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Color

CIELCh(64, 65.433, 82.728)

Conversions

Conversions Part 1

Format	Color
Hex	C49315
RGB	196, 147, 21
RGB Percent	77%, 58%, 8%
CMY	0.2300, 0.4223, 0.9157
CMYK	0.00, 0.25, 0.89, 0.23
HSL	43°, 80%, 43%
HSV	43°, 89%, 77%
XYZ	33.4779, 32.8017, 5.3000
YIQ	147.2870, 69.6500, -28.7980

Conversions

Conversions Part 2

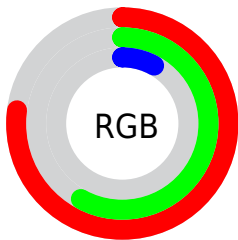
Format	Color
R_{YB}	89, 196, 21
Decimal	12882709
CIE _{Lab}	64.00, 8.28, 64.91
CIE _{LCh}	64, 65.433, 82.728
Yxy	32.8017, 0.4677, 0.4583
Android (android.graphics.Color)	4291072789 (0xFFC49315)
YUV	147.2870, -62.2595, 42.7213
Hunter-Lab	57.2727, 4.1123, 34.6043

Details

The CIELCh color **64, 65.433, 82.728** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **35, 77.211, 295.940**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 65.344, 83.578**, and **44, 52.342, 80.188** is the 20% darker color. If you saturate the color by 10%, you get **63, 68.056, 80.691**, and if you desaturate by 10%, it is **65, 60.751, 84.485**.

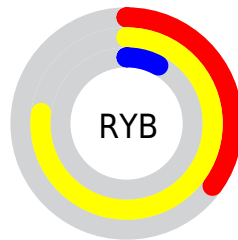
Distribution



Red (77%)

Green (58%)

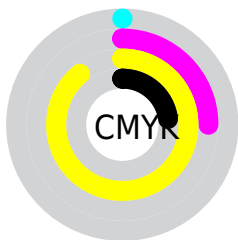
Blue (8%)



Red (35%)

Yellow (77%)

Blue (8%)

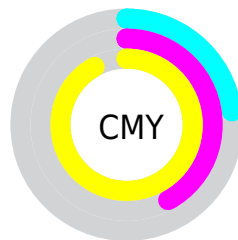


Cyan (0%)

Magenta (25%)

Yellow (89%)

Black (23%)



Cyan (23%)

Magenta (42%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 65.433, 82.728 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 64, 65.433, 82.728 by changing the saturation by 10% instead.

 64, 65.433, 82.728

 64, 65.433, 82.728

 100, 65.433,
82.728

 54, 65.433, 82.728

 84, 65.433, 82.728

 44, 65.433, 82.728

 94, 65.433, 82.728

 34, 65.433, 82.728

 24, 65.433, 82.728

 14, 65.433, 82.728

 4, 65.433, 82.728

 0, 65.433, 82.728

 64, 65.433, 82.728

 64, 65.433, 82.728

 63, 68.056, 80.691

 65, 60.751, 84.485

62, 68.284, 80.499

67, 54.391, 86.039

69, 47.040, 87.485

70, 39.190, 88.870

72, 31.137, 90.215

74, 23.049, 91.524

76, 15.014, 92.794

78, 7.077, 94.015

79, 0.742, 275.509

Harmonies

Complementary

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



64, 65.433, 82.728



35, 77.211, 295.940

Rectangle

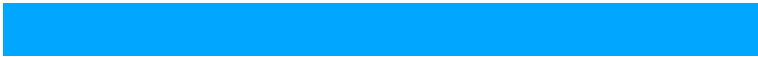
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 65.433, 82.728



64, 65.433, 132.728



64, 65.433, 262.728



64, 65.433, 312.728

Sweetspot

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



64, 65.432, 82.731



94, 26.453, 91.734



42, 68.295, 17.082



49, 17.862, 91.286



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 65.432, 82.731



79, 83.052, 80.091



74, 79.080, 114.917



41, 4.480, 93.975



53, 59.581, 80.849



10, 14.678, 84.625

Inverse Universe

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



35, 77.211, 295.940



41, 107.972, 299.924



28, 101.788, 307.143



39, 4.502, 276.333



26, 75.109, 298.977



3, 17.409, 283.143

Previews

White Background



This preview shows how the CIELCh color 64, 65.433, 82.728 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 65.433, 82.728 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 ✓ Pass

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

CIELCh 64, 65.433, 82.728

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.433, 82.728.



This preview shows how white text looks on a background with the CIELCh color 64, 65.433, 82.728.

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

64, 65.433, 82.728

Protanopia

64, 63.792, 95.354

Deuteranopia

64, 65.433, 82.728



Tritanopia
64, 27.052, 10.635

Trichromacy



Original Color
64, 65.433, 82.728

Protanomaly
64, 64.044, 90.683

Deuteranomaly
64, 65.433, 82.728

Tritanomaly
64, 35.411, 59.081

Monochromacy



Original Color
64, 65.433, 82.728

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 26.780, 90.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.433, 82.728 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(196, 147, 21)` looks like.

```
.text, #text, p{  
    color:rgb(196, 147, 21)  
}
```

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(196, 147, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 147, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.433, 82.728 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(196, 147, 21) }
```

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

```
.border{ border-color:rgb(196, 147, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 147, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 147, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 147, 21);  
box-shadow:4px 4px 4px 4px rgb(196, 147,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.433, 82.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 147, 21) }
```

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

```
.background{ background-color: rgb(196,  
147, 21) }
```

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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