

Converting Colors

CIELCh(64, 65.151, 93.298)

Have a look what the booklet for
CIELCh(64, 65.151, 93.298) contains.

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Color

CIELCh(64, 65.010, 93.247)

Conversions

Conversions Part 1

Format	Color
Hex	B29A12
RGB	178, 154, 18
RGB Percent	70%, 60%, 7%
CMY	0.3002, 0.3945, 0.9305
CMYK	0.00, 0.13, 0.90, 0.30
HSL	51°, 82%, 38%
HSV	51°, 90%, 70%
XYZ	30.1889, 32.8017, 5.3002
YIQ	145.6720, 57.9600, -37.2080

Conversions

Conversions Part 2

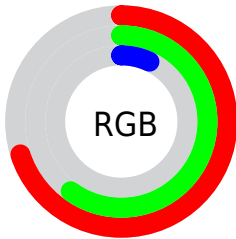
Format	Color
RYB	46, 178, 18
Decimal	11704850
CIELab	64.00, -3.68, 64.91
CIElCh	64, 65.010, 93.247
Yxy	32.8017, 0.4421, 0.4803
Android (android.graphics.Color)	4289894930 (0xFFB29A12)
YUV	145.6720, -62.9423, 28.3517
Hunter-Lab	57.2727, -6.1387, 34.6040

Details

The CIELCh color **64, 65.010, 93.247** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **27, 85.622, 301.660**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 64.972, 93.399**, and **44, 50.675, 92.614** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.069, 92.147**, and if you desaturate by 10%, it is **65, 61.182, 94.343**.

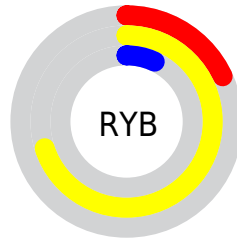
Distribution



Red (70%)

Green (60%)

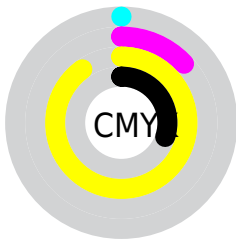
Blue (7%)



Red (18%)

Yellow (70%)

Blue (7%)

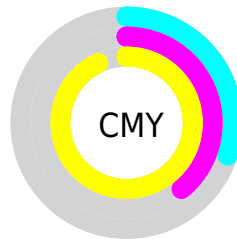


Cyan (0%)

Magenta (13%)

Yellow (90%)

Black (30%)



Cyan (30%)

Magenta (39%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 65.010, 93.247 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, 65.010, 93.247 by changing the saturation by 10% instead.

 64, 65.010, 93.247

 64, 65.010, 93.247

 100, 65.010,
93.247

 54, 65.010, 93.247

 84, 65.010, 93.247

 44, 65.010, 93.247

 94, 65.010, 93.247

 34, 65.010, 93.247

 24, 65.010, 93.247

 14, 65.010, 93.247

 4, 65.010, 93.247

 0, 65.010, 93.247

 64, 65.010, 93.247

 64, 65.010, 93.247

 63, 67.069, 92.147

 65, 61.182, 94.343

66, 55.580, 95.439

66, 48.758, 96.554

67, 41.185, 97.685

68, 33.190, 98.824

69, 24.977, 99.960

70, 16.673,
101.083

72, 8.349, 102.178

73, 0.049, 100.805

Harmonies

Complementary

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



64, 65.010, 93.247



27, 85.622, 301.660

Rectangle

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



64, 65.010, 93.247



64, 65.010, 143.247



64, 65.010, 273.247



64, 65.010, 323.247

Sweetspot

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



64, 65.009, 93.249



88, 27.774, 100.255



38, 67.897, 28.085



47, 18.860, 99.874



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 65.009, 93.249



80, 81.523, 91.939



67, 76.374, 121.246



37, 4.696, 102.258



55, 59.938, 92.292



7, 10.596, 99.413

Inverse Universe

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



27, 85.622, 301.660



32, 115.644, 304.192



27, 93.236, 309.219



35, 4.764, 284.343



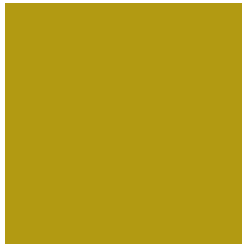
20, 83.038, 303.574



1, 11.812, 285.042

Previews

White Background



This preview shows how the CIELCh color 64, 65.010, 93.247 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, 65.010, 93.247 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, 65.010, 93.247

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.010, 93.247.

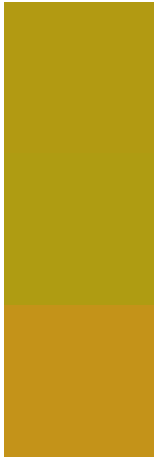


This preview shows how white text looks on a background with the CIELCh color 64, 65.010, 93.247.

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, 64.819, 93.239

Protanopia

64, 65.080, 95.367

Deuteranopia

64, 64.511, 82.548



Tritanopia
64, 17.954, 1.480

Trichromacy



Original Color
64, 64.819, 93.239

Protanomaly
64, 64.896, 94.509

Deuteranomaly
64, 64.633, 86.464

Tritanomaly
64, 28.875, 74.510

Monochromacy



Original Color
64, 64.819, 93.239

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 27.967, 99.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.010, 93.247 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(178, 154, 18)` looks like.

```
.text, #text, p{  
    color:rgb(178, 154, 18)  
}
```

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(178, 154, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 154, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.010, 93.247 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(178, 154, 18) }
```

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

```
.border{ border-color:rgb(178, 154, 18) }
```

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

Here you see how a box with a 4 pixel rgb(178, 154, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 154, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 154, 18);  
box-shadow:4px 4px 4px 4px rgb(178, 154,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.010, 93.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 154, 18) }
```

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

```
.background{ background-color: rgb(178,  
154, 18) }
```

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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