

Converting Colors

CIELCh(65, 62.357, 88.638)

Have a look what the booklet for
CIELCh(65, 62.357, 88.638) contains.

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Color

CIELCh(65, 62.395, 88.479)

Conversions

Conversions Part 1

Format	Color
Hex	BD9A21
RGB	189, 154, 33
RGB Percent	74%, 60%, 13%
CMY	0.2588, 0.3960, 0.8705
CMYK	0.00, 0.19, 0.83, 0.26
HSL	47°, 70%, 44%
HSV	47°, 83%, 74%
XYZ	32.8235, 34.0472, 6.2821
YIQ	150.6710, 59.7010, -30.2110

Conversions

Conversions Part 2

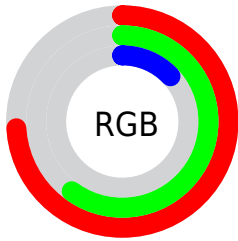
Format	Color
RYB	78, 189, 33
Decimal	12425761
CIELab	65.00, 1.66, 62.37
CIElCh	65, 62.395, 88.479
Yxy	34.0472, 0.4487, 0.4654
Android (android.graphics.Color)	4290615841 (0xFFBD9A21)
YUV	150.6710, -58.0118, 33.6145
Hunter-Lab	58.3500, -1.7010, 34.4616

Details

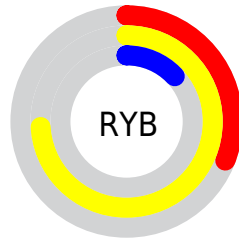
The CIELCh color **65, 62.395, 88.479** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **34, 74.584, 296.574**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 62.257, 88.416**, and **45, 51.949, 87.198** is the 20% darker color. If you saturate the color by 10%, you get **64, 65.982, 86.941**, and if you desaturate by 10%, it is **66, 56.864, 89.885**.

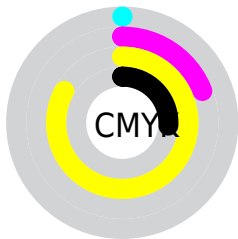
Distribution



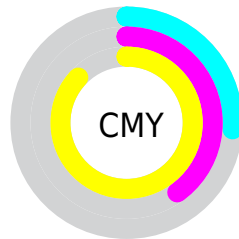
- Red (74%)
- Green (60%)
- Blue (13%)



- Red (31%)
- Yellow (74%)
- Blue (13%)



- Cyan (0%)
- Magenta (19%)
- Yellow (83%)
- Black (26%)



- Cyan (26%)
- Magenta (40%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 62.395, 88.479 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 65, 62.395, 88.479 by changing the saturation by 10% instead.

 65, 62.395, 88.479

 65, 62.395, 88.479

 100, 62.395,
88.479

 55, 62.395, 88.479

 85, 62.395, 88.479

 45, 62.395, 88.479

 95, 62.395, 88.479

 35, 62.395, 88.479

 25, 62.395, 88.479

 15, 62.395, 88.479

 5, 62.395, 88.479

 0, 62.395, 88.479

 65, 62.395, 88.479

 65, 62.395, 88.479

 64, 65.982, 86.941

 66, 56.864, 89.885

63, 67.529, 85.697

67, 50.039, 91.217

69, 42.465, 92.514

70, 34.505, 93.787

72, 26.380, 95.036

73, 18.215, 96.258

75, 10.082, 97.444

76, 2.017, 98.535

78, 5.963, 279.757

Harmonies

Complementary

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



65, 62.395, 88.479



34, 74.584, 296.574

Rectangle

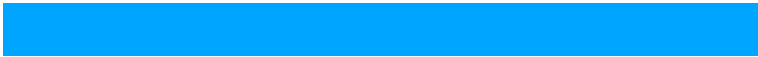
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 62.395, 88.479



65, 62.395, 138.479



65, 62.395, 268.479



65, 62.395, 318.479

Sweetspot

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



65, 62.394, 88.482



92, 24.966, 95.911



42, 64.065, 18.084



48, 17.045, 95.482



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 62.394, 88.482



80, 81.722, 85.553



71, 74.814, 117.068



39, 4.546, 97.810



53, 59.239, 85.964



8, 12.537, 91.327

Inverse Universe

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



34, 74.584, 296.574



37, 111.111, 301.835



30, 92.847, 307.563



37, 4.590, 280.050



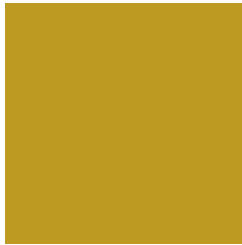
23, 78.781, 301.257



2, 14.690, 283.368

Previews

White Background



This preview shows how the CIELCh color 65, 62.395, 88.479 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 CIE LCh color 65, 62.395, 88.479 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 65, 62.395, 88.479

Background



This preview shows how black text looks on a background with the CIELCh color 65, 62.395, 88.479.



This preview shows how white text looks on a background with the CIELCh color 65, 62.395, 88.479.

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

65, 62.395, 88.479

Protanopia

65, 61.886, 94.988

Deuteranopia

65, 62.751, 82.368



Tritanopia
65, 22.192, 5.929

Trichromacy



Original Color
65, 62.395, 88.479

Protanomaly
65, 61.971, 92.828

Deuteranomaly
65, 62.472, 84.501

Tritanomaly
65, 29.425, 63.910

Monochromacy



Original Color
65, 62.395, 88.479

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 25.002, 94.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 62.395, 88.479 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(189, 154, 33)` looks like.

```
.text, #text, p{  
    color:rgb(189, 154, 33)  
}
```

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(189, 154, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 154, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 62.395, 88.479 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(189, 154, 33) }
```

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

```
.border{ border-color:rgb(189, 154, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 154, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 154, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 154, 33);  
box-shadow:4px 4px 4px 4px rgb(189, 154,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 62.395, 88.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 154, 33) }
```

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

```
.background{ background-color: rgb(189,  
154, 33) }
```

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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