

Converting Colors

CIELCh(69, 53.190, 83.671)

Have a look what the booklet for
CIELCh(69, 53.190, 83.671) contains.

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Color

CIELCh(69, 53.227, 83.523)

Conversions

Conversions Part 1

Format	Color
Hex	CDA245
RGB	205, 162, 69
RGB Percent	80%, 64%, 27%
CMY	0.1953, 0.3640, 0.7287
CMYK	0.00, 0.21, 0.66, 0.20
HSL	41°, 58%, 54%
HSV	41°, 66%, 80%
XYZ	39.2645, 39.3444, 11.1839
YIQ	164.2550, 55.4810, -19.8070

Conversions

Conversions Part 2

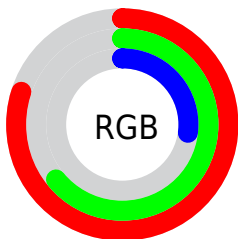
Format	Color
RYB	132, 205, 69
Decimal	13476421
CIELab	69.00, 6.00, 52.89
CIELCh	69, 53.227, 83.523
Yxy	39.3444, 0.4373, 0.4382
Android (android.graphics.Color)	4291666501 (0xFFCDA245)
YUV	164.2550, -46.9607, 35.7334
Hunter-Lab	62.7251, 1.9680, 33.3361

Details

The CIELCh color **69, 53.227, 83.523** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **49, 54.852, 286.202**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 51.759, 88.038**, and **49, 53.308, 83.776** is the 20% darker color. If you saturate the color by 10%, you get **67, 60.256, 81.924**, and if you desaturate by 10%, it is **71, 45.424, 85.012**.

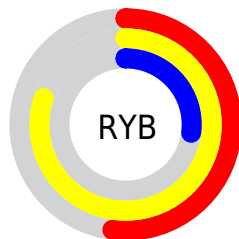
Distribution



Red (80%)

Green (64%)

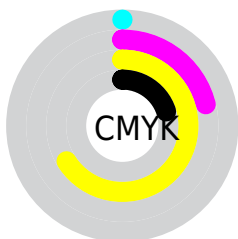
Blue (27%)



Red (52%)

Yellow (80%)

Blue (27%)

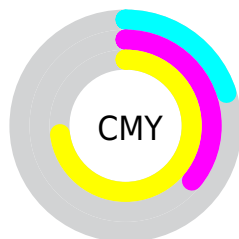


Cyan (0%)

Magenta (21%)

Yellow (66%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 53.227, 83.523 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 69, 53.227, 83.523 by changing the saturation by 10% instead.

69, 53.227, 83.523

69, 53.227, 83.523

100, 53.227,
83.523

59, 53.227, 83.523

89, 53.227, 83.523

49, 53.227, 83.523

99, 53.227, 83.523

39, 53.227, 83.523

29, 53.227, 83.523

19, 53.227, 83.523

9, 53.227, 83.523

0, 53.227, 83.523

69, 53.227, 83.523

69, 53.227, 83.523

67, 60.256, 81.924

71, 45.424, 85.012

65, 65.832, 80.103

73, 37.285, 86.431

64, 69.201, 77.905

75, 29.060, 87.805

63, 70.152, 77.045

77, 20.882, 89.139

79, 12.817, 90.429

81, 4.894, 91.655

83, 2.877, 272.993

86, 10.499,
274.094

88, 17.978,
275.193

Harmonies

Complementary

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



69, 53.227, 83.523



49, 54.852, 286.202

Rectangle

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



69, 53.227, 83.523



69, 53.227, 133.523



69, 53.227, 263.523



69, 53.227, 313.523

Sweetspot

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



69, 53.227, 83.526



95, 18.846, 89.923



50, 57.155, 5.435



50, 12.892, 89.555



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 53.227, 83.526



81, 74.353, 81.099



78, 67.632, 113.172



42, 4.411, 91.286



52, 59.888, 77.495



10, 15.612, 80.577

Inverse Universe

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



49, 54.852, 286.202



52, 80.443, 291.172



40, 81.302, 304.423



40, 4.418, 273.711



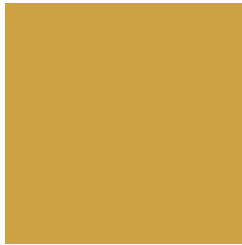
27, 72.156, 297.236



4, 18.483, 282.786

Previews

White Background



This preview shows how the CIELCh color 69, 53.227, 83.523 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 69, 53.227, 83.523 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 69, 53.227, 83.523

Background



This preview shows how black text looks on a background with the CIELCh color 69, 53.227, 83.523.



This preview shows how white text looks on a background with the CIELCh color 69, 53.227, 83.523.

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

69, 53.227, 83.523

Protanopia

69, 51.955, 95.469

Deuteranopia

69, 53.213, 80.413



Tritanopia
69, 24.355, 6.350

Trichromacy



Original Color
69, 53.227, 83.523

Protanomaly
69, 52.370, 91.493

Deuteranomaly
69, 53.186, 81.464

Tritanomaly
69, 27.238, 52.070

Monochromacy



Original Color
69, 53.227, 83.523

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.296, 88.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 53.227, 83.523 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(205, 162, 69)` looks like.

```
.text, #text, p{  
    color:rgb(205, 162, 69)  
}
```

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(205, 162, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 162, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 53.227, 83.523 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(205, 162, 69) }
```

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

```
.border{ border-color:rgb(205, 162, 69) }
```

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

Here you see how a box with a 4 pixel rgb(205, 162, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 162, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 162, 69);  
box-shadow:4px 4px 4px 4px rgb(205, 162,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 53.227, 83.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 162, 69) }
```

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

```
.background{ background-color: rgb(205,  
162, 69) }
```

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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