

Converting Colors

CIELCh(64, 49.592, 153.298)

Have a look what the booklet for
CIELCh(64, 49.592, 153.298)
contains.

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Color

CIELCh(64, 49.367, 153.502)

Conversions

Conversions Part 1

Format	Color
Hex	45AE72
RGB	69, 174, 114
RGB Percent	27%, 68%, 45%
CMY	0.7289, 0.3172, 0.5525
CMYK	0.60, 0.00, 0.34, 0.32
HSL	146°, 43%, 48%
HSV	146°, 60%, 68%
XYZ	20.6632, 32.8017, 21.1923
YIQ	135.7650, -43.3200, -40.9200

Conversions

Conversions Part 2

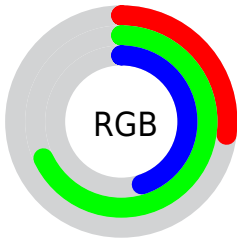
Format	Color
RYB	69, 143, 174
Decimal	4566642
CIELab	64.00, -44.18, 22.03
CIELCh	64, 49.367, 153.502
Yxy	32.8017, 0.2768, 0.4394
Android (android.graphics.Color)	4282756722 (0xFF45AE72)
YUV	135.7650, -10.7301, -58.5529
Hunter-Lab	57.2727, -35.8271, 18.1522

Details

The CIELCh color **64, 49.367, 153.502** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **45, 50.788, 346.126**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 49.203, 153.359**, and **44, 48.434, 152.015** is the 20% darker color. If you saturate the color by 10%, you get **63, 56.081, 151.859**, and if you desaturate by 10%, it is **65, 42.005, 154.950**.

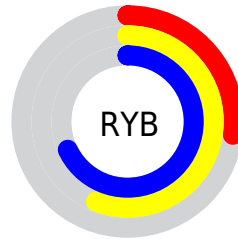
Distribution



Red (27%)

Green (68%)

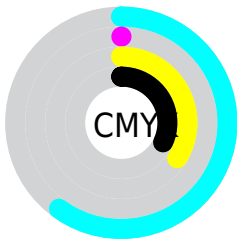
Blue (45%)



Red (27%)

Yellow (56%)

Blue (68%)

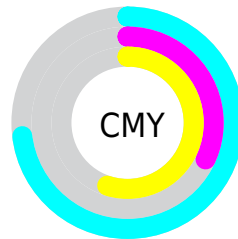


Cyan (60%)

Magenta (0%)

Yellow (34%)

Black (32%)



Cyan (73%)


Magenta (32%)

Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 49.367, 153.502 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, 49.367, 153.502 by changing the saturation by 10% instead.

 64, 49.367,
153.502

 64, 49.367,
153.502

 100, 49.367,
153.502

 54, 49.367,
153.502


 84, 49.367,
153.502

 44, 49.367,
153.502

 94, 49.367,
153.502

 34, 49.367,
153.502

 24, 49.367,
153.502

 14, 49.367,
153.502

 4, 49.367, 153.502

 0, 49.367, 153.502

■ 64, 49.367,
153.502

■ 64, 49.367,
153.502

■ 63, 56.081,
151.859

■ 65, 42.005,
154.950

■ 63, 62.044,
150.013

■ 66, 34.127,
156.222

■ 63, 67.210,
147.975

■ 67, 25.879,
157.341

■ 62, 71.579,
145.932

■ 68, 17.403,
158.331

■ 70, 8.825, 159.223

■ 71, 0.251, 161.331

■ 73, 8.236, 340.624

■ 75, 16.574,
341.282

■ 77, 24.721,
341.871

Harmonies

Complementary

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



64, 49.367, 153.502



45, 50.788, 346.126

Rectangle

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



64, 49.367, 153.502



64, 49.367, 203.502



64, 49.367, 333.502



64, 49.367, 23.502

Sweetspot

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



64, 49.368, 153.502



87, 19.145, 158.515



66, 57.520, 123.366



46, 13.406, 158.248



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 49.368, 153.502



81, 70.619, 151.332



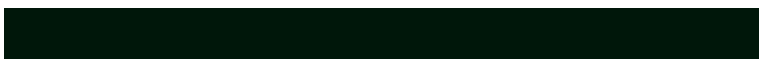
65, 32.398, 188.033



36, 4.832, 159.309



54, 63.887, 146.217



6, 10.811, 156.361

Inverse Universe

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



45, 50.788, 346.126



54, 71.235, 348.325



44, 46.876, 21.439



34, 4.876, 340.658



32, 58.426, 354.787



2, 9.550, 344.950

Previews

White Background



This preview shows how the CIELCh color 64, 49.367, 153.502 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, 49.367, 153.502 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, 49.367, 153.502

Background



This preview shows how black text looks on a background with the CIELCh color 64, 49.367, 153.502.



This preview shows how white text looks on a background with the CIELCh color 64, 49.367, 153.502.

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, 49.367, 153.502

Protanopia
64, 27.070, 95.327

Deuteranopia
64, 20.856, 67.819



Tritanopia
64, 24.585, 214.871

Trichromacy



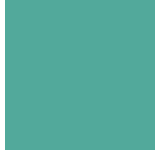
Original Color
64, 49.367, 153.502



Protanomaly
63, 31.149, 130.261



Deuteranomaly
63, 22.698, 125.622



Tritanomaly
64, 29.713, 181.541

Monochromacy



Original Color
64, 49.367, 153.502



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 19.316, 157.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 49.367, 153.502 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(69, 174, 114)` looks like.

```
.text, #text, p{  
    color:rgb(69, 174, 114)  
}
```

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(69, 174, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 174, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 49.367, 153.502 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(69, 174, 114) }
```

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

```
.border{ border-color:rgb(69, 174, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 174, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 174, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 174, 114);  
box-shadow:4px 4px 4px 4px rgb(69, 174,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 49.367, 153.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 174, 114) }
```

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

```
.background{ background-color: rgb(69, 174,  
114) }
```

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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