

Converting Colors

CIELCh(69, 40.524, 116.327)

Have a look what the booklet for
CIELCh(69, 40.524, 116.327)
contains.

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Color

CIELCh(69, 40.572, 116.294)

Conversions

Conversions Part 1

Format	Color
Hex	9FB065
RGB	159, 176, 101
RGB Percent	62%, 69%, 40%
CMY	0.3766, 0.3099, 0.6040
CMYK	0.10, 0.00, 0.43, 0.31
HSL	74°, 32%, 54%
HSV	74°, 43%, 69%
XYZ	32.1580, 39.3444, 18.2033
YIQ	162.3670, 13.9430, -26.9290

Conversions

Conversions Part 2

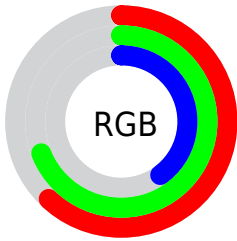
Format	Color
RYB	101, 176, 118
Decimal	10465381
CIELab	69.00, -17.97, 36.37
CIELCh	69, 40.572, 116.294
Yxy	39.3444, 0.3585, 0.4386
Android (android.graphics.Color)	4288655461 (0xFF9FB065)
YUV	162.3670, -30.2539, -2.9529
Hunter-Lab	62.7251, -18.2554, 26.7012

Details

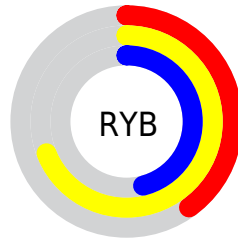
The CIELCh color $69, 40.572, 116.294$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $47, 44.743, 302.613$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 40.833, 116.297$, and $49, 40.246, 116.150$ is the 20% darker color. If you saturate the color by 10%, you get $68, 49.375, 115.746$, and if you desaturate by 10%, it is $70, 31.343, 116.914$.

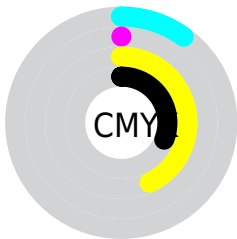
Distribution



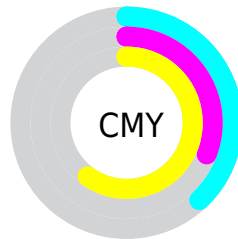
- Red (62%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (46%)



- Cyan (10%)
- Magenta (0%)
- Yellow (43%)
- Black (31%)



- Cyan (38%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 40.572, 116.294 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, 40.572, 116.294 by changing the saturation by 10% instead.

 69, 40.572,
116.294

 69, 40.572,
116.294

 100, 40.572,
116.294


 59, 40.572,
116.294


 89, 40.572,
116.294

 49, 40.572,
116.294

 99, 40.572,
116.294

 39, 40.572,
116.294

 29, 40.572,
116.294

 19, 40.572,
116.294

 9, 40.572, 116.294

 0, 40.572, 116.294

69, 40.572,
116.294

69, 40.572,
116.294

68, 49.375,
115.746

70, 31.343,
116.914

68, 57.491,
115.319

70, 21.856,
117.562

68, 64.567,
115.090

71, 12.227,
118.216

67, 70.172,
115.153

72, 2.535, 118.863

67, 73.930,
115.595

72, 7.168, 299.471

67, 75.783,
116.108

73, 16.844,
300.061

74, 26.466,
300.617

75, 36.014,
301.138

■ 76, 43.184,
301.922

Harmonies

Complementary

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



69, 40.572, 116.294



47, 44.743, 302.613

Rectangle

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



69, 40.572, 116.294



69, 40.572, 166.294



69, 40.572, 296.294



69, 40.572, 346.294

Sweetspot

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



69, 40.573, 116.296



90, 15.629, 118.177



55, 27.994, 41.064



48, 10.920, 118.035



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 40.573, 116.296



87, 59.463, 115.783



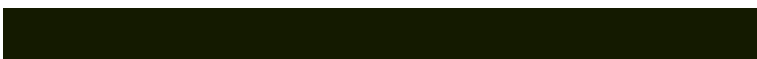
67, 45.773, 134.116



37, 5.552, 118.429



59, 68.316, 115.976



8, 13.662, 122.394

Inverse Universe

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



47, 44.743, 302.613



55, 67.403, 303.639



51, 47.106, 318.045



35, 5.663, 299.642



19, 89.559, 307.610



1, 13.434, 297.030

Previews

White Background



This preview shows how the CIELCh color 69, 40.572, 116.294 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, 40.572, 116.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

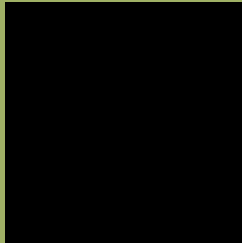
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

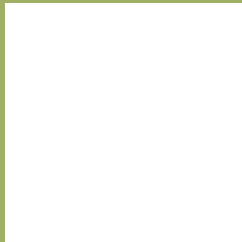
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 40.572, 116.294

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.572, 116.294.



This preview shows how white text looks on a background with the CIELCh color 69, 40.572, 116.294.

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, 40.572, 116.294

Protanopia
69, 38.297, 95.802

Deuteranopia
69, 35.976, 76.326



Tritanopia
69, 7.197, 296.754

Trichromacy



Original Color
69, 40.572, 116.294

Protanomaly
69, 38.562, 103.647

Deuteranomaly
69, 34.835, 91.547

Tritanomaly
69, 10.580, 119.746

Monochromacy



Original Color
69, 40.572, 116.294

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 14.991, 117.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.572, 116.294 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(159, 176, 101)` looks like.

```
.text, #text, p{  
    color:rgb(159, 176, 101)  
}
```

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(159, 176, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 176, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.572, 116.294 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(159, 176, 101) }
```

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

```
.border{ border-color:rgb(159, 176, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 176, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 176, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 176, 101);  
box-shadow:4px 4px 4px 4px rgb(159, 176,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.572, 116.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 176, 101) }
```

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

```
.background{ background-color: rgb(159,  
176, 101) }
```

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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