

Converting Colors

CIELCh(66, 28.529, 105.972)

Have a look what the booklet for
CIELCh(66, 28.529, 105.972)
contains.

CIELCh(66, 28.349, 106.301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 28.349, 106.301)

Conversions

Conversions Part 1

Format	Color
Hex	A4A36F
RGB	164, 163, 111
RGB Percent	64%, 64%, 44%
CMY	0.3561, 0.3600, 0.5640
CMYK	0.00, 0.01, 0.32, 0.36
HSL	59°, 23%, 54%
HSV	59°, 32%, 64%
XYZ	31.3573, 35.3238, 20.2547
YIQ	157.3710, 17.2880, -15.9600

Conversions

Conversions Part 2

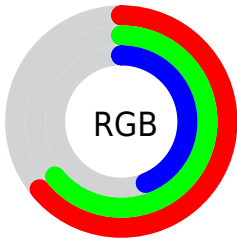
Format	Color
RYB	112, 164, 111
Decimal	10789743
CIELab	66.00, -7.96, 27.21
CIELCh	66, 28.349, 106.301
Yxy	35.3238, 0.3607, 0.4063
Android (android.graphics.Color)	4288979823 (0xFFA4A36F)
YUV	157.3710, -22.8609, 5.8136
Hunter-Lab	59.4338, -9.8325, 21.3980

Details

The CIELCh color **66, 28.349, 106.301** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **49, 30.558, 293.431**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 28.524, 106.155**, and **46, 28.341, 106.175** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.796, 105.360**, and if you desaturate by 10%, it is **66, 19.677, 107.270**.

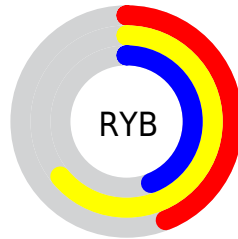
Distribution



Red (64%)

Green (64%)

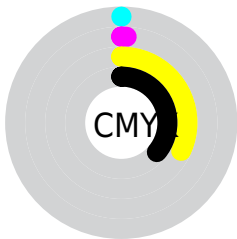
Blue (44%)



Red (44%)

Yellow (64%)

Blue (44%)

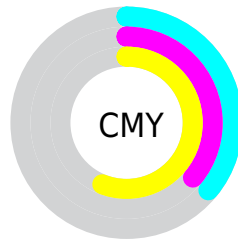


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 28.349, 106.301 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 66, 28.349, 106.301 by changing the saturation by 10% instead.


 66, 28.349,
106.301


 66, 28.349,
106.301


 100, 28.349,
106.301


 56, 28.349,
106.301


 86, 28.349,
106.301

 46, 28.349,
106.301

 96, 28.349,
106.301

 36, 28.349,
106.301

 26, 28.349,
106.301

 16, 28.349,
106.301

 6, 28.349, 106.301

 0, 28.349, 106.301

■ 66, 28.349,
106.301

■ 66, 28.349,
106.301

■ 66, 36.796,
105.360

■ 66, 19.677,
107.270

■ 65, 44.855,
104.459

■ 67, 10.878,
108.238

■ 65, 52.286,
103.630

■ 67, 2.021, 109.173

■ 65, 58.748,
102.906

■ 68, 6.852, 290.153

■ 65, 63.822,
102.322

■ 68, 15.713,
291.059

■ 65, 67.125,
101.906

■ 69, 24.544,
291.934

■ 65, 68.747,
101.669

■ 70, 33.328,
292.771

■ 71, 42.057,
293.568

■ 71, 48.603,
294.114

Harmonies

Complementary

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



66, 28.349, 106.301



49, 30.558, 293.431

Rectangle

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



66, 28.349, 106.301



66, 28.349, 156.301



66, 28.349, 286.301



66, 28.349, 336.301

Sweetspot

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



66, 28.350, 106.305



85, 10.995, 108.440



52, 22.599, 19.595



45, 7.487, 108.312



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 28.350, 106.305



84, 42.251, 105.598



64, 30.740, 126.386



34, 4.985, 108.528



58, 62.878, 101.681



5, 7.745, 109.160

Inverse Universe

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



49, 30.558, 293.431



58, 46.546, 294.680



51, 32.254, 309.521



32, 5.089, 290.373



16, 87.058, 305.984



0, 7.810, 289.493

Previews

White Background



This preview shows how the CIELCh color 66, 28.349, 106.301 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 66, 28.349, 106.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

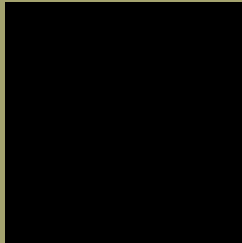
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

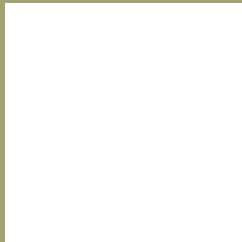
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 28.349, 106.301

Background



This preview shows how black text looks on a background with the CIELCh color 66, 28.349, 106.301.



This preview shows how white text looks on a background with the CIELCh color 66, 28.349, 106.301.

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


66, 28.349, 106.301

Protanopia

66, 27.948, 95.770

Deuteranopia

66, 27.801, 71.655



Tritanopia
66, 8.784, 331.033

Trichromacy



Original Color
66, 28.349, 106.301

Protanomaly
66, 28.142, 99.357

Deuteranomaly
66, 26.915, 85.009

Tritanomaly
66, 7.712, 78.525

Monochromacy



Original Color
66, 28.349, 106.301

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 10.488, 109.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 28.349, 106.301 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(164, 163, 111)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 111)  
}
```

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(164, 163, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 28.349, 106.301 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(164, 163, 111) }
```

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

```
.border{ border-color:rgb(164, 163, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 28.349, 106.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 111) }
```

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

```
.background{ background-color: rgb(164,  
163, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor