

Converting Colors

CIELCh(49, 36.506, 122.467)

Have a look what the booklet for
CIELCh(49, 36.506, 122.467)
contains.

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Color

CIELCh(49, 36.470, 121.981)

Conversions

Conversions Part 1

Format	Color
Hex	657C3E
RGB	101, 124, 62
RGB Percent	40%, 49%, 24%
CMY	0.6031, 0.5129, 0.7561
CMYK	0.19, 0.00, 0.50, 0.51
HSL	82°, 33%, 37%
HSV	82°, 50%, 49%
XYZ	13.4969, 17.5941, 7.2691
YIQ	110.0550, 6.1940, -24.1580

Conversions

Conversions Part 2

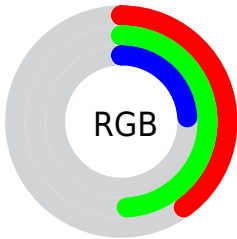
Format	Color
RYB	62, 124, 85
Decimal	6650942
CIELab	49.00, -19.32, 30.93
CIELCh	49, 36.470, 121.981
Yxy	17.5941, 0.3518, 0.4587
Android (android.graphics.Color)	4284841022 (0xFF657C3E)
YUV	110.0550, -23.6911, -7.9412
Hunter-Lab	41.9453, -15.9676, 19.0867

Details

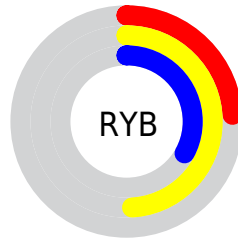
The CIELCh color $49, 36.470, 121.981$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 40.039, 307.530$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 36.747, 122.221$, and $29, 36.537, 121.927$ is the 20% darker color. If you saturate the color by 10%, you get $49, 43.075, 121.624$, and if you desaturate by 10%, it is $50, 29.470, 122.436$.

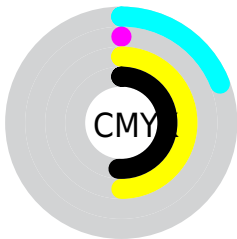
Distribution



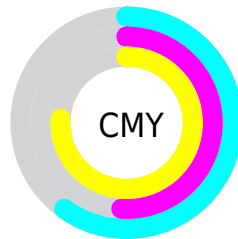
- Red (40%)
- Green (49%)
- Blue (24%)



- Red (24%)
- Yellow (49%)
- Blue (33%)



- Cyan (19%)
- Magenta (0%)
- Yellow (50%)
- Black (51%)





- Cyan (60%)
- Magenta (51%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 36.470, 121.981 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 49, 36.470, 121.981 by changing the saturation by 10% instead.


 49, 36.470,
121.981


 49, 36.470,
121.981


 100, 36.470,
121.981


 39, 36.470,
121.981

 69, 36.470,
121.981


 29, 36.470,
121.981

 79, 36.470,
121.981

 19, 36.470,
121.981

 89, 36.470,
121.981

 9, 36.470, 121.981

 99, 36.470,
121.981

 0, 36.470, 121.981

 49, 36.470,

 49, 36.470,

121.981

121.981

■ 49, 43.075,
121.624

■ 50, 29.470,
122.436

■ 48, 49.066,
121.430

■ 50, 22.227,
122.936

■ 48, 54.163,
121.496

■ 51, 14.846,
123.451

■ 47, 58.065,
121.928

■ 51, 7.400, 123.962

■ 47, 61.099,
122.584

■ 52, 0.059, 303.562

■ 47, 61.121,
122.588

■ 53, 7.496, 304.897

■ 54, 14.884,
305.333

■ 55, 22.204,
305.734

■ 55, 29.442,

Harmonies

Complementary

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



49, 36.470, 121.981



32, 40.039, 307.530

Rectangle

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



49, 36.470, 121.981



49, 36.470, 171.981



49, 36.470, 301.981



49, 36.470, 351.981

Sweetspot

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



49, 36.471, 121.983



65, 13.799, 123.686



40, 23.920, 55.817



34, 9.486, 123.597



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 36.471, 121.983



62, 53.069, 121.582



47, 41.958, 137.691



25, 4.147, 124.006



47, 61.389, 122.598



90, 103.993, 123.432

Inverse Universe

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



32, 40.039, 307.530



36, 59.839, 308.349



35, 42.372, 322.906



24, 4.214, 304.888



16, 75.259, 309.717



37, 127.502, 309.173

Previews

White Background



This preview shows how the CIELCh color 49, 36.470, 121.981 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 49, 36.470, 121.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

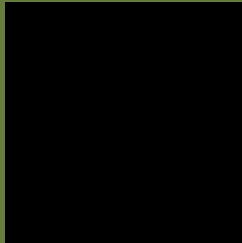
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 36.470, 121.981

Background



This preview shows how black text looks on a background with the CIELCh color 49, 36.470, 121.981.



This preview shows how white text looks on a background with the CIELCh color 49, 36.470, 121.981.

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

49, 36.470, 121.981

Protanopia

49, 32.513, 95.838

Deuteranopia

49, 30.262, 77.700



Tritanopia
49, 5.881, 263.572

Trichromacy



Original Color
49, 36.470, 121.981

Protanomaly
49, 32.922, 106.555

Deuteranomaly
49, 29.759, 96.280

Tritanomaly
49, 11.339, 137.135

Monochromacy



Original Color
49, 36.470, 121.981

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 13.361, 123.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 36.470, 121.981 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(101, 124, 62)` looks like.

```
.text, #text, p{  
    color:rgb(101, 124, 62)  
}
```

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(101, 124, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 124, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 36.470, 121.981 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(101, 124, 62) }
```

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

```
.border{ border-color:rgb(101, 124, 62) }
```

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

Here you see how a box with a 4 pixel rgb(101, 124, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 124, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 124, 62);  
box-shadow:4px 4px 4px 4px rgb(101, 124,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 36.470, 121.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 124, 62) }
```

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

```
.background{ background-color: rgb(101,  
124, 62) }
```

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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