

Converting Colors

CIELCh(50, 36.101, 113.619)

Have a look what the booklet for
CIELCh(50, 36.101, 113.619)
contains.

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Color

CIELCh(50, 36.300, 114.165)

Conversions

Conversions Part 1

Format	Color
Hex	717D3D
RGB	113, 125, 61
RGB Percent	44%, 49%, 24%
CMY	0.5580, 0.5109, 0.7618
CMYK	0.10, 0.00, 0.51, 0.51
HSL	71°, 35%, 36%
HSV	71°, 51%, 49%
XYZ	14.9038, 18.4187, 7.1461
YIQ	114.1160, 13.3920, -22.4480

Conversions

Conversions Part 2

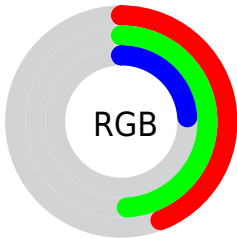
Format	Color
RYB	61, 125, 73
Decimal	7437629
CIELab	50.00, -14.86, 33.12
CIElCh	50, 36.300, 114.165
Yxy	18.4187, 0.3683, 0.4551
Android (android.graphics.Color)	4285627709 (0xFF717D3D)
YUV	114.1160, -26.1862, -0.9787
Hunter-Lab	42.9170, -13.1167, 20.1694

Details

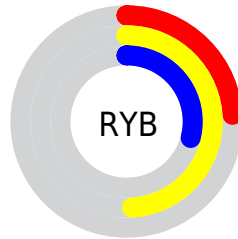
The CIELCh color **50, 36.300, 114.165** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **30, 41.079, 302.297**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 36.639, 114.404**, and **30, 36.388, 114.105** is the 20% darker color. If you saturate the color by 10%, you get **50, 42.554, 113.663**, and if you desaturate by 10%, it is **50, 29.602, 114.767**.

Distribution



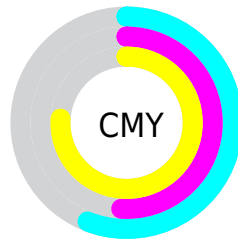
- Red (44%)
- Green (49%)
- Blue (24%)



- Red (24%)
- Yellow (49%)
- Blue (29%)



- Cyan (10%)
- Magenta (0%)
- Yellow (51%)
- Black (51%)





- Cyan (56%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 36.300, 114.165 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 50, 36.300, 114.165 by changing the saturation by 10% instead.


 50, 36.300,
114.165


 50, 36.300,
114.165


 100, 36.300,
114.165


 40, 36.300,
114.165


 70, 36.300,
114.165

 30, 36.300,
114.165


 80, 36.300,
114.165


 20, 36.300,
114.165

 90, 36.300,
114.165

 10, 36.300,
114.165

 0, 36.300, 114.165

 50, 36.300,
114.165

 50, 36.300,
114.165

■ 50, 42.554,
113.663

■ 50, 29.602,
114.767

■ 49, 48.128,
113.314

■ 51, 22.622,
115.419

■ 49, 52.727,
113.193

■ 51, 15.473,
116.093

■ 49, 56.049,
113.381

■ 52, 8.230, 116.770

■ 52, 0.945, 117.438

■ 49, 58.304,
113.680

■ 53, 6.349, 298.073

■ 53, 13.625,
298.687

■ 54, 20.866,
299.269

■ 55, 28.056,
299.817

Harmonies

Complementary

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



50, 36.300, 114.165



30, 41.079, 302.297

Rectangle

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



50, 36.300, 114.165



50, 36.300, 164.165



50, 36.300, 294.165



50, 36.300, 344.165

Sweetspot

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



50, 36.301, 114.167



66, 13.599, 116.496



37, 26.691, 38.375



34, 9.227, 116.379



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 36.301, 114.167



64, 53.343, 113.570



48, 40.870, 132.750



26, 4.039, 116.921



49, 58.385, 113.682



93, 98.498, 114.225

Inverse Universe

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



30, 41.079, 302.297



34, 62.841, 303.824



33, 42.472, 317.266



23, 4.118, 298.146



14, 77.562, 307.382



33, 131.233, 307.038

Previews

White Background



This preview shows how the CIELCh color 50, 36.300, 114.165 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 36.300, 114.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

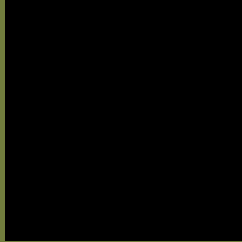
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 36.300, 114.165

Background



This preview shows how black text looks on a background with the CIELCh color 50, 36.300, 114.165.



This preview shows how white text looks on a background with the CIELCh color 50, 36.300, 114.165.

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


50, 36.300, 114.165

Protanopia

50, 34.497, 96.233

Deuteranopia

50, 32.416, 78.518



Tritanopia
50, 5.998, 302.239

Trichromacy



Original Color
50, 36.300, 114.165

Protanomaly
50, 34.463, 103.289

Deuteranomaly
50, 31.854, 92.398

Tritanomaly
50, 9.978, 116.129

Monochromacy



Original Color
50, 36.300, 114.165

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 13.518, 115.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 36.300, 114.165 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(113, 125, 61)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 61)  
}
```

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(113, 125, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 36.300, 114.165 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(113, 125, 61) }
```

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

```
.border{ border-color:rgb(113, 125, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 125, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 125, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 125, 61);  
box-shadow:4px 4px 4px 4px rgb(113, 125,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 36.300, 114.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 61) }
```

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

```
.background{ background-color: rgb(113,  
125, 61) }
```

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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