

Converting Colors

CIELCh(65, 40.205, 142.395)

Have a look what the booklet for
CIELCh(65, 40.205, 142.395)
contains.

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Color

CIELCh(65, 40.578, 142.320)

Conversions

Conversions Part 1

Format	Color
Hex	6FAC70
RGB	111, 172, 112
RGB Percent	44%, 67%, 44%
CMY	0.5648, 0.3255, 0.5608
CMYK	0.35, 0.00, 0.35, 0.33
HSL	121°, 27%, 55%
HSV	121°, 35%, 67%
XYZ	24.2271, 34.0472, 20.6198
YIQ	146.9210, -17.0960, -31.5920

Conversions

Conversions Part 2

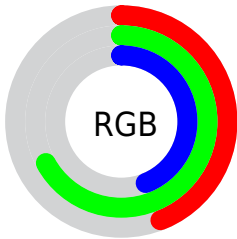
Format	Color
RYB	111, 171, 172
Decimal	7318640
CIELab	65.00, -32.11, 24.80
CIELCh	65, 40.578, 142.320
Yxy	34.0472, 0.3071, 0.4316
Android (android.graphics.Color)	4285508720 (0xFF6FAC70)
YUV	146.9210, -17.2161, -31.5027
Hunter-Lab	58.3500, -27.9987, 19.8930

Details

The CIELCh color $65, 40.578, 142.320$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $55, 40.542, 326.780$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 40.754, 142.132$, and $45, 40.684, 142.302$ is the 20% darker color. If you saturate the color by 10%, you get $64, 51.511, 141.328$, and if you desaturate by 10%, it is $66, 29.236, 143.192$.

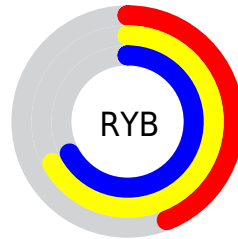
Distribution



Red (44%)

Green (67%)

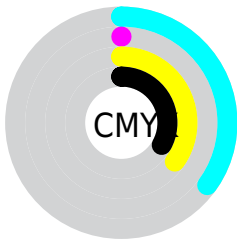
Blue (44%)



Red (44%)

Yellow (67%)

Blue (67%)

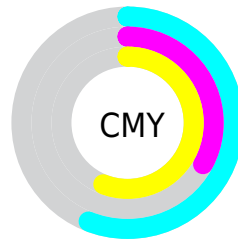


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (56%)


Magenta (33%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 40.578, 142.320 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 65, 40.578, 142.320 by changing the saturation by 10% instead.


 65, 40.578,
142.320


 65, 40.578,
142.320


 100, 40.578,
142.320


 55, 40.578,
142.320


 85, 40.578,
142.320

 45, 40.578,
142.320

 95, 40.578,
142.320

 35, 40.578,
142.320

 25, 40.578,
142.320

 15, 40.578,
142.320

 5, 40.578, 142.320

 0, 40.578, 142.320

■ 65, 40.578,
142.320

■ 65, 40.578,
142.320

■ 64, 51.511,
141.328

■ 66, 29.236,
143.192

■ 63, 61.730,
140.232

■ 68, 17.723,
143.946

■ 62, 70.873,
139.080

■ 69, 6.225, 144.609

■ 62, 78.522,
137.960

■ 71, 5.126, 325.069

■ 61, 84.249,
137.003

■ 73, 16.234,
325.560

■ 61, 87.754,
136.347

■ 75, 27.042,
325.957

■ 61, 88.846,
136.161

■ 77, 37.514,
326.291

■ 80, 47.636,
326.576

■ 81, 51.891,
326.215

Harmonies

Complementary

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



65, 40.578, 142.320



55, 40.542, 326.780

Rectangle

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



65, 40.578, 142.320



65, 40.578, 192.320



65, 40.578, 322.320



65, 40.578, 12.320

Sweetspot

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



65, 40.579, 142.320



87, 15.613, 144.237



69, 32.826, 106.809



46, 10.485, 144.150



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 40.579, 142.320



82, 60.614, 141.505



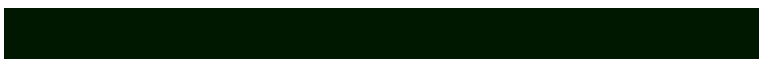
66, 28.209, 160.303



36, 6.507, 144.361



54, 80.467, 136.187



6, 13.729, 144.800

Inverse Universe

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



55, 40.542, 326.780



67, 60.430, 327.195



54, 29.431, 347.013



34, 6.518, 325.363



35, 76.983, 328.883



2, 13.630, 325.090

Previews

White Background



This preview shows how the CIELCh color 65, 40.578, 142.320 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 CIE LCh color 65, 40.578, 142.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

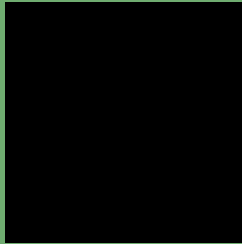
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 40.578, 142.320

Background



This preview shows how black text looks on a background with the CIELCh color 65, 40.578, 142.320.

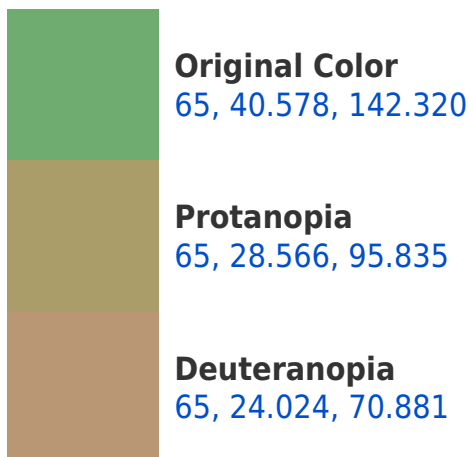


This preview shows how white text looks on a background with the CIELCh color 65, 40.578, 142.320.

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





Tritanopia
65, 15.492, 226.373

Trichromacy



Original Color
65, 40.578, 142.320

Protanomaly
64, 29.988, 117.468

Deuteranomaly
64, 24.171, 108.549

Tritanomaly
65, 19.210, 173.780

Monochromacy



Original Color
65, 40.578, 142.320

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 15.079, 143.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 40.578, 142.320 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(111, 172, 112)` looks like.

```
.text, #text, p{  
    color:rgb(111, 172, 112)  
}
```

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(111, 172, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 172, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 40.578, 142.320 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(111, 172, 112) }
```

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

```
.border{ border-color:rgb(111, 172, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 172, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 172, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 172, 112);  
box-shadow:4px 4px 4px 4px rgb(111, 172,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 40.578, 142.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 172, 112) }
```

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

```
.background{ background-color: rgb(111,  
172, 112) }
```

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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