

Converting Colors

CIELCh(62, 40.817, 127.062)

Have a look what the booklet for
CIELCh(62, 40.817, 127.062)
contains.

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Color

CIELCh(62, 40.817, 127.062)

Conversions

Conversions Part 1

Format	Color
Hex	7DA05A
RGB	125, 160, 90
RGB Percent	49%, 63%, 35%
CMY	0.5084, 0.3711, 0.6457
CMYK	0.22, 0.00, 0.44, 0.37
HSL	90°, 28%, 49%
HSV	90°, 44%, 63%
XYZ	23.0065, 30.4025, 14.4059
YIQ	141.5550, 1.6100, -29.1900

Conversions

Conversions Part 2

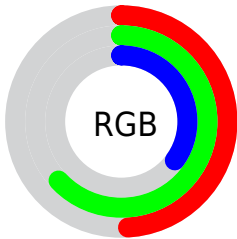
Format	Color
RYB	90, 160, 125
Decimal	8233050
CIELab	62.00, -24.60, 32.57
CIELCh	62, 40.817, 127.062
Yxy	30.4025, 0.3393, 0.4483
Android (android.graphics.Color)	4286423130 (0xFF7DA05A)
YUV	141.5550, -25.4166, -14.5187
Hunter-Lab	55.1385, -22.0132, 23.1064

Details

The CIELCh color $62, 40.817, 127.062$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 43.439, 311.224$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 40.955, 126.972$, and $42, 40.643, 127.028$ is the 20% darker color. If you saturate the color by 10%, you get $61, 49.569, 126.659$, and if you desaturate by 10%, it is $63, 31.687, 127.525$.

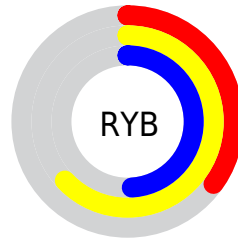
Distribution



Red (49%)

Green (63%)

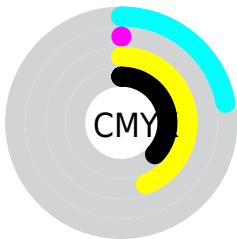
Blue (35%)



Red (35%)

Yellow (63%)

Blue (49%)

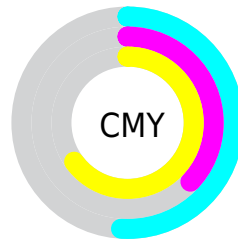


Cyan (22%)

Magenta (0%)

Yellow (44%)

Black (37%)



Cyan (51%)


Magenta (37%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 40.817, 127.062 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 62, 40.817, 127.062 by changing the saturation by 10% instead.


 62, 40.817,
127.062


 62, 40.817,
127.062


 100, 40.817,
127.062


 52, 40.817,
127.062


 82, 40.817,
127.062

 42, 40.817,
127.062


 92, 40.817,
127.062

 32, 40.817,
127.062

 22, 40.817,
127.062

 12, 40.817,
127.062

 2, 40.817, 127.062

 0, 40.817, 127.062

■ 62, 40.817,
127.062

■ 62, 40.817,
127.062

■ 61, 49.569,
126.659

■ 63, 31.687,
127.525

■ 61, 57.700,
126.378

■ 64, 22.344,
128.004

■ 60, 64.885,
126.315

■ 65, 12.904,
128.475

■ 60, 70.733,
126.587

■ 66, 3.449, 128.940

■ 59, 74.905,
127.307

■ 67, 5.962, 309.307

■ 68, 15.289,
309.695

■ 59, 76.991,
127.866

■ 69, 24.502,
310.040

■ 70, 33.579,
310.350

■ 72, 42.508,
310.627

Harmonies

Complementary

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



62, 40.817, 127.062



45, 43.439, 311.224

Rectangle

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



62, 40.817, 127.062



62, 40.817, 177.062



62, 40.817, 307.062



62, 40.817, 357.062

Sweetspot

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



62, 40.818, 127.063



82, 15.234, 128.494



55, 25.645, 68.376



43, 10.641, 128.397



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



62, 40.818, 127.063



78, 59.672, 126.683



60, 47.122, 140.767



33, 5.273, 128.679



53, 70.607, 127.702



4, 6.946, 129.962

Inverse Universe

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



45, 43.439, 311.224



53, 64.468, 311.706



49, 47.053, 326.218



31, 5.343, 309.459



21, 80.856, 312.130



1, 6.870, 308.159

Previews

White Background



This preview shows how the CIELCh color 62, 40.817, 127.062 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 62, 40.817, 127.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

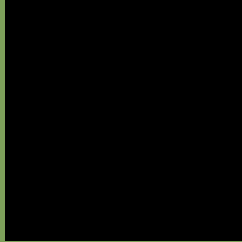
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 40.817, 127.062

Background



This preview shows how black text looks on a background with the CIELCh color 62, 40.817, 127.062.



This preview shows how white text looks on a background with the CIELCh color 62, 40.817, 127.062.

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](#).

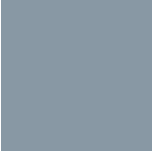
Dichromacy



Original Color
62, 40.817, 127.062

Protanopia
62, 35.283, 95.349

Deuteranopia
62, 32.217, 76.294



Tritanopia
62, 8.765, 249.483

Trichromacy



Original Color
62, 40.817, 127.062

Protanomaly
62, 35.518, 108.313

Deuteranomaly
61, 31.296, 97.788

Tritanomaly
62, 13.542, 150.171

Monochromacy



Original Color
62, 40.817, 127.062

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 15.521, 128.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 40.817, 127.062 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(125, 160, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 160, 90)  
}
```

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(125, 160, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 160, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 40.817, 127.062 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(125, 160, 90) }
```

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

```
.border{ border-color:rgb(125, 160, 90) }
```

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

Here you see how a box with a 4 pixel rgb(125, 160, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 160, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 160, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 160,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 40.817, 127.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 160, 90) }
```

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

```
.background{ background-color: rgb(125,  
160, 90) }
```

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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