

Converting Colors

CIELCh(62, 42.479, 153.595)

Have a look what the booklet for
CIELCh(62, 42.479, 153.595)
contains.

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Color

CIELCh(62, 42.271, 153.802)

Conversions

Conversions Part 1

Format	Color
Hex	50A673
RGB	80, 166, 115
RGB Percent	31%, 65%, 45%
CMY	0.6845, 0.3473, 0.5474
CMYK	0.52, 0.00, 0.31, 0.35
HSL	144°, 35%, 48%
HSV	144°, 52%, 65%
XYZ	20.1787, 30.4025, 21.1463
YIQ	134.4720, -34.8850, -34.0930

Conversions

Conversions Part 2

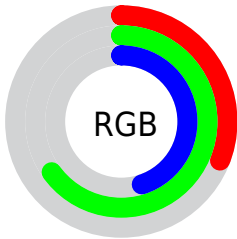
Format	Color
RYB	80, 141, 166
Decimal	5285491
CIELab	62.00, -37.93, 18.66
CIElCh	62, 42.271, 153.802
Yxy	30.4025, 0.2813, 0.4239
Android (android.graphics.Color)	4283475571 (0xFF50A673)
YUV	134.4720, -9.5997, -47.7719
Hunter-Lab	55.1385, -31.1678, 15.8585

Details

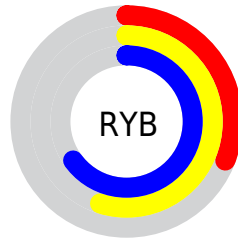
The CIELCh color **62, 42.271, 153.802** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **46, 43.431, 343.685**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 42.479, 153.595**, and **42, 41.908, 154.142** is the 20% darker color. If you saturate the color by 10%, you get **61, 49.456, 152.345**, and if you desaturate by 10%, it is **63, 34.573, 155.080**.

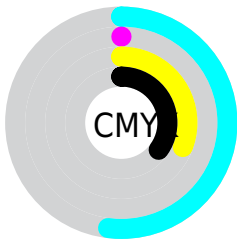
Distribution



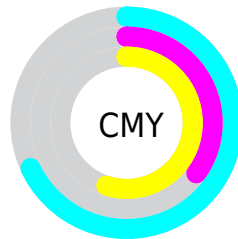
- Red (31%)
- Green (65%)
- Blue (45%)



- Red (31%)
- Yellow (55%)
- Blue (65%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)





- Cyan (68%)
- Magenta (35%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 42.271, 153.802 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, 42.271, 153.802 by changing the saturation by 10% instead.


 62, 42.271,
153.802


 62, 42.271,
153.802


 100, 42.271,
153.802


 52, 42.271,
153.802


 82, 42.271,
153.802

 42, 42.271,
153.802

 92, 42.271,
153.802

 32, 42.271,
153.802

 22, 42.271,
153.802

 12, 42.271,
153.802

 2, 42.271, 153.802

 0, 42.271, 153.802

■ 62, 42.271,
153.802

■ 62, 42.271,
153.802

■ 61, 49.456,
152.345

■ 63, 34.573,
155.080

■ 61, 55.995,
150.695

■ 64, 26.503,
156.202

■ 60, 61.792,
148.846

■ 65, 18.203,
157.192

■ 60, 66.802,
146.816

■ 67, 9.796, 158.077

■ 60, 70.490,
145.104

■ 68, 1.390, 159.052

■ 70, 6.934, 339.465

■ 71, 15.113,
340.117

■ 73, 23.105,
340.695

■ 75, 30.882,
341.222

Harmonies

Complementary

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



62, 42.271, 153.802



46, 43.431, 343.685

Rectangle

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



62, 42.271, 153.802



62, 42.271, 203.802



62, 42.271, 333.802



62, 42.271, 23.802

Sweetspot

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



62, 42.272, 153.802



84, 16.667, 157.678



64, 48.069, 123.002



44, 11.344, 157.503



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 42.272, 153.802



78, 61.432, 152.115



63, 28.288, 187.117



35, 4.791, 158.278



53, 64.306, 145.338



5, 9.104, 156.381

Inverse Universe

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



46, 43.431, 343.685



55, 62.612, 345.220



45, 38.077, 17.988



33, 4.830, 339.593



32, 58.234, 352.856



2, 8.270, 342.794

Previews

White Background



This preview shows how the CIELCh color 62, 42.271, 153.802 looks on a white background.

Color Contrast Check

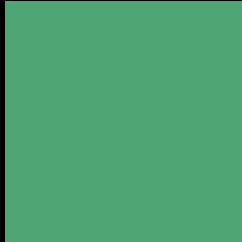
Large Text (above 18pt) WCAG AA × Fail

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, 42.271, 153.802 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, 42.271, 153.802

Background



This preview shows how black text looks on a background with the CIELCh color 62, 42.271, 153.802.



This preview shows how white text looks on a background with the CIELCh color 62, 42.271, 153.802.

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, 42.271, 153.802

Protanopia
62, 23.285, 95.932

Deuteranopia
62, 17.819, 63.466



Tritanopia
62, 21.513, 217.784

Trichromacy



Original Color
62, 42.271, 153.802



Protanomaly
61, 26.348, 129.379



Deuteranomaly
61, 19.160, 124.212



Tritanomaly
62, 25.353, 182.992

Monochromacy



Original Color
62, 42.271, 153.802



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.873, 157.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 42.271, 153.802 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(80, 166, 115)` looks like.

```
.text, #text, p{  
    color:rgb(80, 166, 115)  
}
```

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(80, 166, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 166, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 42.271, 153.802 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(80, 166, 115) }
```

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

```
.border{ border-color:rgb(80, 166, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 166, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 166, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 166, 115);  
box-shadow:4px 4px 4px 4px rgb(80, 166,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 42.271, 153.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 166, 115) }
```

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

```
.background{ background-color: rgb(80, 166,  
115) }
```

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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