

Converting Colors

CIELCh(62, 62.680, 148.122)

Have a look what the booklet for
CIELCh(62, 62.680, 148.122)
contains.

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Color

CIELCh(62, 62.468, 148.193)

Conversions

Conversions Part 1

Format	Color
Hex	28AB58
RGB	40, 171, 88
RGB Percent	16%, 67%, 35%
CMY	0.8450, 0.3281, 0.6537
CMYK	0.77, 0.00, 0.48, 0.33
HSL	142°, 63%, 41%
HSV	142°, 77%, 67%
XYZ	17.2560, 30.4025, 14.2567
YIQ	122.3690, -51.4330, -53.5850

Conversions

Conversions Part 2

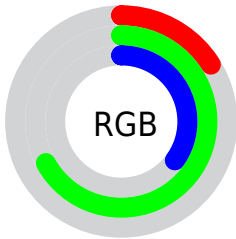
Format	Color
RYB	40, 136, 171
Decimal	2665304
CIELab	62.00, -53.09, 32.92
CIELCh	62, 62.468, 148.193
Yxy	30.4025, 0.2787, 0.4910
Android (android.graphics.Color)	4280855384 (0xFF28AB58)
YUV	122.3690, -16.9439, -72.2376
Hunter-Lab	55.1385, -40.6296, 23.2669

Details

The CIELCh color **62, 62.468, 148.193** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **41, 61.201, 345.225**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 62.237, 148.078**, and **43, 56.638, 143.419** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.156, 146.270**, and if you desaturate by 10%, it is **63, 55.948, 149.933**.

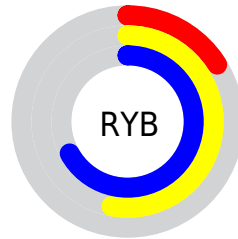
Distribution



Red (16%)

Green (67%)

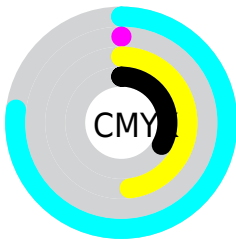
Blue (35%)



Red (16%)

Yellow (53%)

Blue (67%)

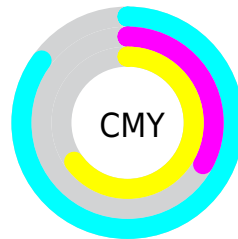


Cyan (77%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (85%)


Magenta (33%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 62.468, 148.193 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, 62.468, 148.193 by changing the saturation by 10% instead.


 62, 62.468,
148.193


 62, 62.468,
148.193


 100, 62.468,
148.193

 52, 62.468,
148.193


 82, 62.468,
148.193

 42, 62.468,
148.193

 92, 62.468,
148.193

 32, 62.468,
148.193

 22, 62.468,
148.193

 12, 62.468,
148.193

 2, 62.468, 148.193

 0, 62.468, 148.193

■ 62, 62.468,
148.193

■ 62, 62.468,
148.193

■ 62, 68.156,
146.270

■ 63, 55.948,
149.933

■ 61, 73.007,
144.225

■ 63, 48.683,
151.478

■ 61, 74.393,
143.635

■ 64, 40.801,
152.836

■ 65, 32.455,
154.025

■ 66, 23.800,
155.065

■ 68, 14.979,
155.983

■ 69, 6.114, 156.816

■ 71, 2.694, 337.355

■ 72, 11.371,
338.083

Harmonies

Complementary

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



62, 62.468, 148.193



41, 61.201, 345.225

Rectangle

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



62, 62.468, 148.193



62, 62.468, 198.193



62, 62.468, 328.193



62, 62.468, 18.193

Sweetspot

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



62, 62.468, 148.193



84, 25.096, 155.402



65, 67.958, 121.302



44, 17.495, 155.066



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 62.468, 148.193



78, 86.672, 144.904



63, 38.391, 181.283



36, 5.045, 156.621



54, 67.240, 143.880



6, 11.191, 154.366

Inverse Universe

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



41, 61.201, 345.225



50, 79.253, 348.637



39, 58.012, 23.318



34, 5.081, 337.899



33, 59.983, 349.889



2, 9.946, 341.834

Previews

White Background



This preview shows how the CIELCh color 62, 62.468, 148.193 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, 62.468, 148.193 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, 62.468, 148.193

Background



This preview shows how black text looks on a background with the CIELCh color 62, 62.468, 148.193.



This preview shows how white text looks on a background with the CIELCh color 62, 62.468, 148.193.

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, 62.365, 148.107

Protanopia
62, 38.347, 95.793

Deuteranopia
61, 30.819, 75.014



Tritanopia
62, 26.822, 213.268

Trichromacy



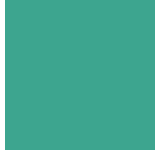
Original Color
62, 62.365, 148.107



Protanomaly
60, 43.313, 127.398



Deuteranomaly
60, 34.682, 124.200



Tritanomaly
62, 35.327, 175.790

Monochromacy



Original Color
62, 62.365, 148.107



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 25.506, 154.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 62.468, 148.193 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(40, 171, 88)` looks like.

```
.text, #text, p{  
    color:rgb(40, 171, 88)  
}
```

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(40, 171, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 171, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 62.468, 148.193 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(40, 171, 88) }
```

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

```
.border{ border-color:rgb(40, 171, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 171, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 171, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 171, 88);  
box-shadow:4px 4px 4px 4px rgb(40, 171,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 62.468, 148.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 171, 88) }
```

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

```
.background{ background-color: rgb(40, 171,  
88) }
```

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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