

Converting Colors

CIELCh(62, 51.731, 154.550)

Have a look what the booklet for
CIELCh(62, 51.731, 154.550)
contains.

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Color

CIELCh(62, 51.843, 154.620)

Conversions

Conversions Part 1

Format	Color
Hex	33AA6D
RGB	51, 170, 109
RGB Percent	20%, 67%, 43%
CMY	0.7982, 0.3350, 0.5741
CMYK	0.70, 0.00, 0.36, 0.33
HSL	149°, 53%, 43%
HSV	149°, 70%, 67%
XYZ	18.4237, 30.4025, 19.2560
YIQ	127.4650, -51.3430, -44.1990

Conversions

Conversions Part 2

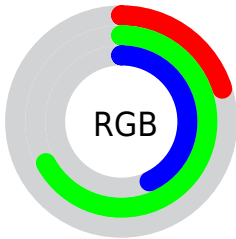
Format	Color
RYB	51, 131, 170
Decimal	3385965
CIELab	62.00, -46.84, 22.22
CIElCh	62, 51.843, 154.620
Yxy	30.4025, 0.2706, 0.4466
Android (android.graphics.Color)	4281576045 (0xFF33AA6D)
YUV	127.4650, -9.1032, -67.0598
Hunter-Lab	55.1385, -36.8492, 17.8911

Details

The CIELCh color **62, 51.843, 154.620** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **41, 53.937, 351.285**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 51.925, 154.875**, and **43, 47.994, 151.255** is the 20% darker color. If you saturate the color by 10%, you get **62, 57.369, 152.774**, and if you desaturate by 10%, it is **63, 45.616, 156.261**.

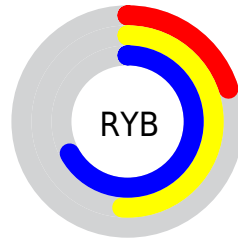
Distribution



Red (20%)

Green (67%)

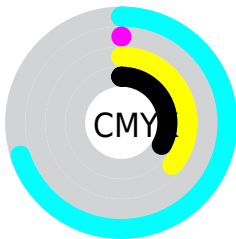
Blue (43%)



Red (20%)

Yellow (51%)

Blue (67%)

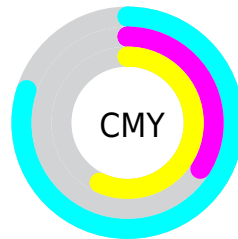


Cyan (70%)

Magenta (0%)

Yellow (36%)

Black (33%)



Cyan (80%)


Magenta (34%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 51.843, 154.620 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, 51.843, 154.620 by changing the saturation by 10% instead.


 62, 51.843,
154.620


 62, 51.843,
154.620


 100, 51.843,
154.620


 52, 51.843,
154.620


 82, 51.843,
154.620

 42, 51.843,
154.620

 92, 51.843,
154.620

 32, 51.843,
154.620

 22, 51.843,
154.620

 12, 51.843,
154.620

 2, 51.843, 154.620

 0, 51.843, 154.620

■ 62, 51.843,
154.620

■ 62, 51.843,
154.620

■ 62, 57.369,
152.774

■ 63, 45.616,
156.261

■ 61, 62.156,
150.725

■ 63, 38.773,
157.710

■ 61, 66.329,
148.576

■ 64, 31.435,
158.988

■ 61, 66.472,
148.504

■ 65, 23.736,
160.121

■ 67, 15.808,
161.131

■ 68, 7.766, 162.052

■ 70, 0.288, 341.588

■ 71, 8.277, 343.509

■ 73, 16.141,
344.204

Harmonies

Complementary

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



62, 51.843, 154.620



41, 53.937, 351.285

Rectangle

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



62, 51.843, 154.620



62, 51.843, 204.620



62, 51.843, 334.620



62, 51.843, 24.620

Sweetspot

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



62, 51.844, 154.620



84, 20.815, 160.965



64, 64.664, 125.718



44, 14.052, 160.705



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, 51.844, 154.620



78, 72.982, 151.602



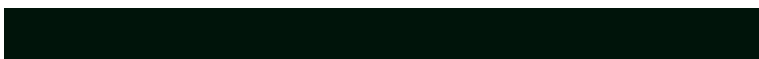
63, 33.225, 194.742



35, 4.527, 162.085



54, 59.769, 148.783



5, 8.676, 159.413

Inverse Universe

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



41, 53.937, 351.285



49, 73.064, 355.229



40, 55.018, 28.923



33, 4.579, 343.494



31, 56.735, 359.688



2, 7.874, 346.753

Previews

White Background



This preview shows how the CIELCh color 62, 51.843, 154.620 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, 51.843, 154.620 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, 51.843, 154.620

Background



This preview shows how black text looks on a background with the CIELCh color 62, 51.843, 154.620.

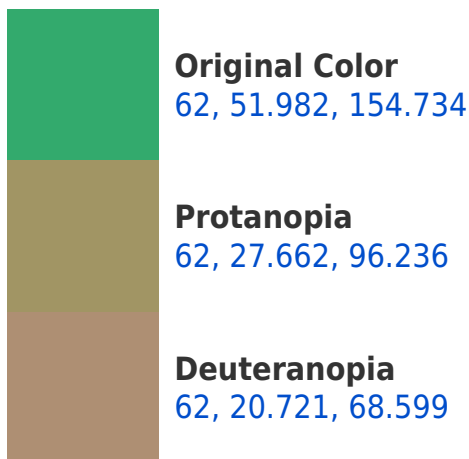



This preview shows how white text looks on a background with the CIELCh color 62, 51.843, 154.620.

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
62, 26.229, 213.682

Trichromacy



Original Color
62, 51.982, 154.734



Protanomaly
61, 32.687, 132.899



Deuteranomaly
60, 24.378, 131.337



Tritanomaly
62, 31.829, 182.272

Monochromacy



Original Color
62, 51.982, 154.734



Achromatopsia
53, 0.007, 296.813



Achromatomaly
55, 20.615, 159.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 51.843, 154.620 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(51, 170, 109)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 109)  
}
```

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(51, 170, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 51.843, 154.620 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(51, 170, 109) }
```

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

```
.border{ border-color:rgb(51, 170, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 170, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 109);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 51.843, 154.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 170, 109) }
```

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

```
.background{ background-color: rgb(51, 170,  
109) }
```

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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