

Converting Colors

CIELCh(61, 46.134, 150.959)

Have a look what the booklet for
CIELCh(61, 46.134, 150.959)
contains.

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Color

CIELCh(61, 45.823, 150.990)

Conversions

Conversions Part 1

Format	Color
Hex	4BA46A
RGB	75, 164, 106
RGB Percent	29%, 64%, 42%
CMY	0.7043, 0.3553, 0.5829
CMYK	0.54, 0.00, 0.35, 0.36
HSL	141°, 37%, 47%
HSV	141°, 54%, 64%
XYZ	18.8967, 29.2481, 18.3816
YIQ	130.7770, -34.4260, -36.9060

Conversions

Conversions Part 2

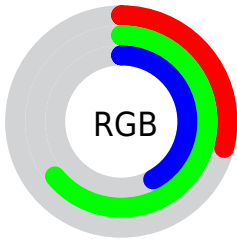
Format	Color
RYB	75, 141, 164
Decimal	4957290
CIELab	61.00, -40.07, 22.22
CIELCh	61, 45.823, 150.990
Yxy	29.2481, 0.2840, 0.4396
Android (android.graphics.Color)	4283147370 (0xFF4BA46A)
YUV	130.7770, -12.2151, -48.9164
Hunter-Lab	54.0815, -32.2728, 17.7052

Details

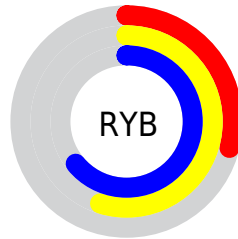
The CIELCh color **61, 45.823, 150.990** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **45, 46.441, 340.856**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 45.959, 151.099**, and **41, 45.629, 151.048** is the 20% darker color. If you saturate the color by 10%, you get **60, 53.188, 149.519**, and if you desaturate by 10%, it is **62, 37.900, 152.280**.

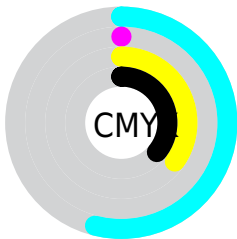
Distribution



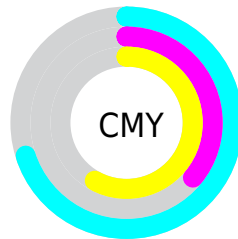
- Red (29%)
- Green (64%)
- Blue (42%)



- Red (29%)
- Yellow (55%)
- Blue (64%)



- Cyan (54%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (70%)
- Magenta (36%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 45.823, 150.990 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 61, 45.823, 150.990 by changing the saturation by 10% instead.


 61, 45.823,
150.990


 61, 45.823,
150.990


 100, 45.823,
150.990


 51, 45.823,
150.990


 81, 45.823,
150.990

 41, 45.823,
150.990

 91, 45.823,
150.990

 31, 45.823,
150.990

 21, 45.823,
150.990

 11, 45.823,
150.990

 1, 45.823, 150.990

 0, 45.823, 150.990

61, 45.823,
150.990

61, 45.823,
150.990

60, 53.188,
149.519

62, 37.900,
152.280

60, 59.853,
147.858

63, 29.570,
153.408

59, 65.712,
146.015

64, 20.986,
154.396

59, 70.710,
144.028

65, 12.283,
155.267

59, 73.342,
142.907

67, 3.574, 156.086

68, 5.050, 336.613

70, 13.523,
337.251

72, 21.799,
337.799

■ 74, 29.847,
338.292

Harmonies

Complementary

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



61, 45.823, 150.990



45, 46.441, 340.856

Rectangle

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



61, 45.823, 150.990



61, 45.823, 200.990



61, 45.823, 330.990



61, 45.823, 20.990

Sweetspot

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



61, 45.824, 150.990



83, 17.254, 155.087



64, 48.914, 120.240



43, 11.632, 154.922



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



61, 45.824, 150.990



77, 66.529, 149.190



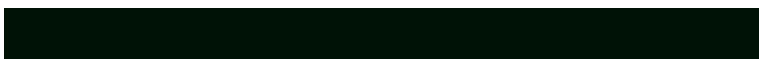
62, 30.348, 180.759



34, 4.877, 155.662



53, 66.658, 143.143



4, 7.762, 154.909

Inverse Universe

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



45, 46.441, 340.856



54, 66.485, 342.288



44, 39.281, 13.496



32, 4.908, 336.902



32, 59.225, 348.046



1, 7.271, 338.887

Previews

White Background



This preview shows how the CIELCh color 61, 45.823, 150.990 looks on a white background.

Color Contrast Check

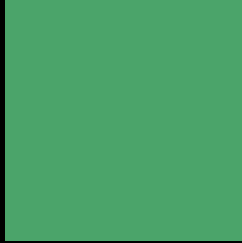
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 45.823, 150.990 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 × Fail

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

CIELCh 61, 45.823, 150.990

Background



This preview shows how black text looks on a background with the CIELCh color 61, 45.823, 150.990.

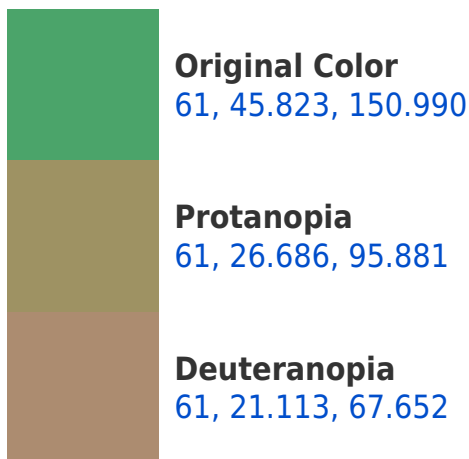


This preview shows how white text looks on a background with the CIELCh color 61, 45.823, 150.990.

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
61, 21.661, 216.054

Trichromacy



Original Color
61, 45.823, 150.990



Protanomaly
60, 30.123, 127.198



Deuteranomaly
60, 22.324, 120.630



Tritanomaly
61, 26.589, 179.707

Monochromacy



Original Color
61, 45.823, 150.990



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 17.422, 154.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 45.823, 150.990 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(75, 164, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 164, 106)  
}
```

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(75, 164, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 164, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 45.823, 150.990 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(75, 164, 106) }
```

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

```
.border{ border-color:rgb(75, 164, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 164, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 164, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 164, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 164,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 45.823, 150.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 164, 106) }
```

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

```
.background{ background-color: rgb(75, 164,  
106) }
```

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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