

Converting Colors

CIELCh(62, 48.686, 146.149)

Have a look what the booklet for
CIELCh(62, 48.686, 146.149)
contains.

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Color

CIELCh(62, 48.564, 146.194)

Conversions

Conversions Part 1

Format	Color
Hex	53A764
RGB	83, 167, 100
RGB Percent	33%, 65%, 39%
CMY	0.6745, 0.3450, 0.6078
CMYK	0.50, 0.00, 0.40, 0.35
HSL	132°, 34%, 49%
HSV	132°, 50%, 65%
XYZ	19.6906, 30.4025, 16.8905
YIQ	134.2460, -28.5570, -38.6450

Conversions

Conversions Part 2

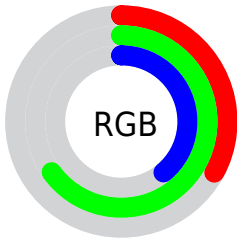
Format	Color
RYB	83, 153, 167
Decimal	5482340
CIELab	62.00, -40.35, 27.02
CIELCh	62, 48.564, 146.194
Yxy	30.4025, 0.2940, 0.4539
Android (android.graphics.Color)	4283672420 (0xFF53A764)
YUV	134.2460, -16.8833, -44.9427
Hunter-Lab	55.1385, -32.7478, 20.4347

Details

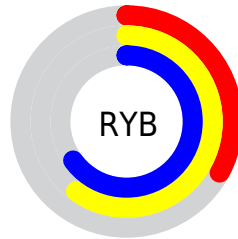
The CIELCh color $62, 48.564, 146.194$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $48, 48.481, 333.919$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $82, 48.462, 146.272$, and $42, 48.458, 146.218$ is the 20% darker color. If you saturate the color by 10%, you get $61, 57.189, 144.884$, and if you desaturate by 10%, it is $63, 39.349, 147.346$.

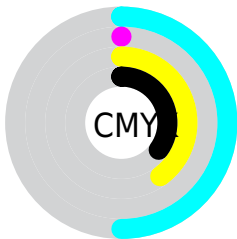
Distribution



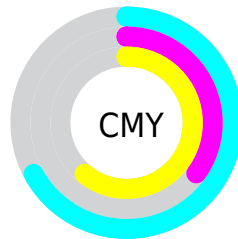
- Red (33%)
- Green (65%)
- Blue (39%)



- Red (33%)
- Yellow (60%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 48.564, 146.194 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, 48.564, 146.194 by changing the saturation by 10% instead.


 62, 48.564,
146.194

 62, 48.564,
146.194


 100, 48.564,
146.194

 52, 48.564,
146.194


 82, 48.564,
146.194

 42, 48.564,
146.194

 92, 48.564,
146.194

 32, 48.564,
146.194

 22, 48.564,
146.194

 12, 48.564,
146.194

 2, 48.564, 146.194

 0, 48.564, 146.194

■ 62, 48.564,
146.194

■ 62, 48.564,
146.194

■ 61, 57.189,
144.884

■ 63, 39.349,
147.346

■ 61, 65.009,
143.422

■ 64, 29.745,
148.348

■ 60, 71.818,
141.839

■ 65, 19.936,
149.216

■ 60, 77.435,
140.203

■ 67, 10.074,
149.975

■ 60, 81.712,
138.743

■ 68, 0.281, 151.558

■ 70, 9.355, 331.125

■ 72, 18.771,
331.629

■ 74, 27.926,
332.063

■ 76, 36.798,
332.446

Harmonies

Complementary

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



62, 48.564, 146.194



48, 48.481, 333.919

Rectangle

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



62, 48.564, 146.194



62, 48.564, 196.194



62, 48.564, 326.194



62, 48.564, 16.194

Sweetspot

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



62, 48.565, 146.194



84, 18.189, 149.609



66, 45.242, 114.698



44, 12.518, 149.454



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, 48.565, 146.194



78, 70.234, 144.774



63, 32.190, 170.620



35, 5.568, 150.048



53, 74.424, 138.918



5, 10.338, 149.646

Inverse Universe

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



48, 48.481, 333.919



57, 69.360, 334.714



46, 37.332, 2.576



33, 5.586, 331.150



33, 65.985, 338.089



2, 9.691, 332.870

Previews

White Background



This preview shows how the CIELCh color 62, 48.564, 146.194 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, 48.564, 146.194 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, 48.564, 146.194

Background



This preview shows how black text looks on a background with the CIELCh color 62, 48.564, 146.194.

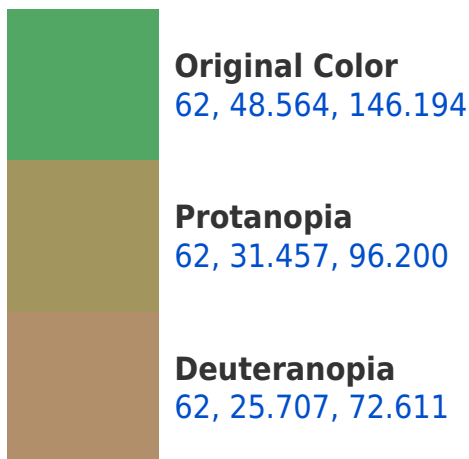


This preview shows how white text looks on a background with the CIELCh color 62, 48.564, 146.194.

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, 20.164, 217.541

Trichromacy



Original Color
62, 48.564, 146.194

Protanomaly
61, 34.317, 122.951

Deuteranomaly
61, 26.817, 115.355

Tritanomaly
62, 25.806, 175.348

Monochromacy



Original Color
62, 48.564, 146.194

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 18.370, 149.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 48.564, 146.194 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(83, 167, 100)` looks like.

```
.text, #text, p{  
    color:rgb(83, 167, 100)  
}
```

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(83, 167, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 167, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 48.564, 146.194 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(83, 167, 100) }
```

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

```
.border{ border-color:rgb(83, 167, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 167, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 167, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 167, 100);  
box-shadow:4px 4px 4px 4px rgb(83, 167,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 48.564, 146.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 167, 100) }
```

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

```
.background{ background-color: rgb(83, 167,  
100) }
```

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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