

Converting Colors

CIELCh(62, 44.165, 164.334)

Have a look what the booklet for
CIELCh(62, 44.165, 164.334)
contains.

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Color

CIELCh(62, 44.040, 164.324)

Conversions

Conversions Part 1

Format	Color
Hex	33A87F
RGB	51, 168, 127
RGB Percent	20%, 66%, 50%
CMY	0.8017, 0.3395, 0.5004
CMYK	0.70, 0.00, 0.24, 0.34
HSL	159°, 54%, 43%
HSV	159°, 70%, 66%
XYZ	19.2844, 30.4025, 25.0705
YIQ	128.3430, -56.5710, -37.5550

Conversions

Conversions Part 2

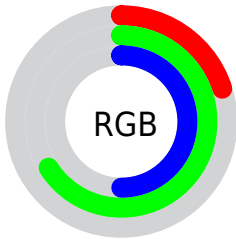
Format	Color
RYB	51, 122, 168
Decimal	3385471
CIELab	62.00, -42.40, 11.90
CIELCh	62, 44.040, 164.324
Yxy	30.4025, 0.2580, 0.4067
Android (android.graphics.Color)	4281575551 (0xFF33A87F)
YUV	128.3430, -0.6621, -67.8298
Hunter-Lab	55.1385, -34.0630, 11.6388

Details

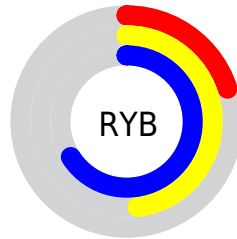
The CIELCh color **62, 44.040, 164.324** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **40, 51.177, 3.789**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 43.907, 164.376**, and **42, 39.664, 161.185** is the 20% darker color. If you saturate the color by 10%, you get **62, 48.267, 162.528**, and if you desaturate by 10%, it is **63, 39.122, 165.927**.

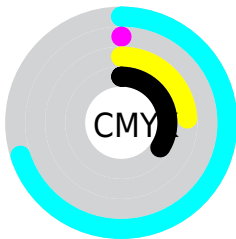
Distribution



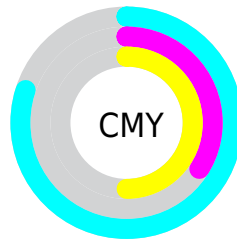
- Red (20%)
- Green (66%)
- Blue (50%)



- Red (20%)
- Yellow (48%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)



- Cyan (80%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 44.040, 164.324 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, 44.040, 164.324 by changing the saturation by 10% instead.

 62, 44.040,
164.324


 62, 44.040,
164.324

 100, 44.040,
164.324

 52, 44.040,
164.324


 82, 44.040,
164.324

 42, 44.040,
164.324

 92, 44.040,
164.324

 32, 44.040,
164.324

 22, 44.040,
164.324

 12, 44.040,
164.324

 2, 44.040, 164.324

 0, 44.040, 164.324

■ 62, 44.040,
164.324

■ 62, 44.040,
164.324

■ 62, 48.267,
162.528

■ 63, 39.122,
165.927

■ 61, 51.796,
160.532

■ 63, 33.571,
167.360

■ 61, 54.798,
158.417

■ 64, 27.482,
168.646

■ 61, 54.804,
158.413

■ 65, 20.965,
169.810

■ 66, 14.139,
170.875

■ 68, 7.111, 171.874

■ 69, 0.022, 333.551

■ 71, 7.177, 353.498

■ 72, 14.294,
354.314

Harmonies

Complementary

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



62, 44.040, 164.324



40, 51.177, 3.789

Rectangle

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



62, 44.040, 164.324



62, 44.040, 214.324



62, 44.040, 344.324



62, 44.040, 34.324

Sweetspot

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



62, 44.040, 164.323



84, 18.396, 170.731



62, 67.765, 131.031



44, 12.397, 170.456



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, 44.040, 164.323



78, 61.244, 161.446



58, 28.714, 217.926



35, 4.032, 171.942



54, 49.589, 158.674



5, 7.775, 167.872

Inverse Universe

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



40, 51.177, 3.789



49, 71.229, 9.351



42, 50.877, 37.988



33, 4.123, 353.509



31, 57.061, 15.585



2, 7.204, 355.985

Previews

White Background



This preview shows how the CIELCh color 62, 44.040, 164.324 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, 44.040, 164.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

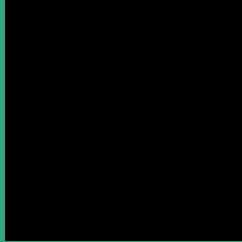
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 44.040, 164.324

Background



This preview shows how black text looks on a background with the CIELCh color 62, 44.040, 164.324.

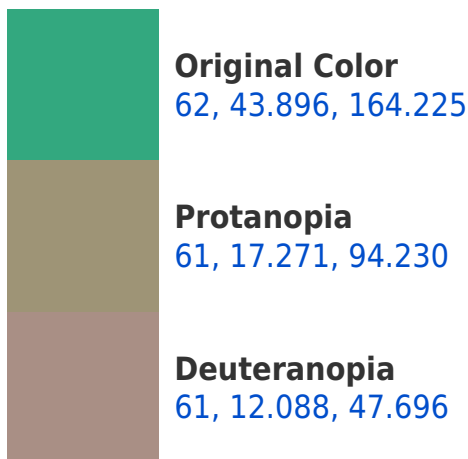


This preview shows how white text looks on a background with the CIELCh color 62, 44.040, 164.324.

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, 27.394, 212.884

Trichromacy



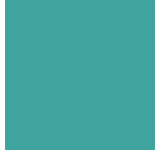
Original Color
62, 43.896, 164.225



Protanomaly
61, 23.844, 144.453



Deuteranomaly
60, 15.660, 149.135



Tritanomaly
62, 30.687, 190.410

Monochromacy



Original Color
62, 43.896, 164.225



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 18.416, 169.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 44.040, 164.324 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, 168, 127)` looks like.

```
.text, #text, p{  
    color:rgb(51, 168, 127)  
}
```

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, 168, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 168, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 44.040, 164.324 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, 168, 127) }
```

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

```
.border{ border-color:rgb(51, 168, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 168, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 168, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 168, 127);  
box-shadow:4px 4px 4px 4px rgb(51, 168,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 44.040, 164.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 168, 127) }
```

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

```
.background{ background-color: rgb(51, 168,  
127) }
```

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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