

Converting Colors

CIELCh(55, 32.679, 168.170)

Have a look what the booklet for
CIELCh(55, 32.679, 168.170)
contains.

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Color

CIELCh(55, 32.721, 168.030)

Conversions

Conversions Part 1

Format	Color
Hex	3F9277
RGB	63, 146, 119
RGB Percent	25%, 57%, 47%
CMY	0.7531, 0.4276, 0.5335
CMYK	0.57, 0.00, 0.18, 0.43
HSL	160°, 40%, 41%
HSV	160°, 57%, 57%
XYZ	15.6458, 22.9298, 21.0404
YIQ	118.1050, -40.8010, -25.9930

Conversions

Conversions Part 2

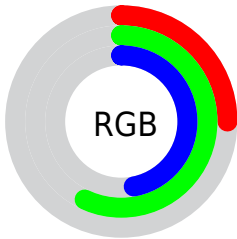
Format	Color
R _Y B	63, 113, 146
Decimal	4166263
CIE Lab	55.00, -32.01, 6.79
CIE LCh	55, 32.721, 168.030
Yxy	22.9298, 0.2624, 0.3846
Android (android.graphics.Color)	4282356343 (0xFF3F9277)
YUV	118.1050, 0.4412, -48.3271
Hunter-Lab	47.8851, -25.4764, 7.4680




Details

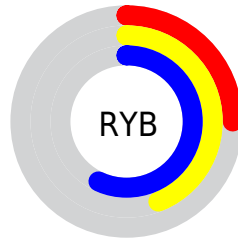
The CIELCh color **55, 32.721, 168.030** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **39, 37.896, 1.971**, and the grayscale version is **50, 0.007, 296.813**.




A 20% lighter version of the original color is **75, 32.457, 168.095**, and **35, 31.642, 167.277** is the 20% darker color. If you saturate the color by 10%, you get **54, 37.170, 166.532**, and if you desaturate by 10%, it is **56, 27.738, 169.373**.

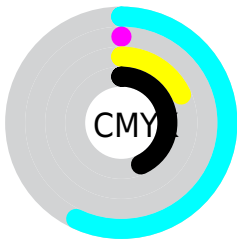
Distribution







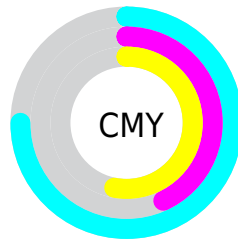
-  Red (25%)
-  Green (57%)
-  Blue (47%)






-  Red (25%)
-  Yellow (44%)
-  Blue (57%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (18%)
-  Black (43%)





-  Cyan (75%)
-  Magenta (43%)
-  Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 32.721, 168.030 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 55, 32.721, 168.030 by changing the saturation by 10% instead.


 55, 32.721,
168.030


 55, 32.721,
168.030


 100, 32.721,
168.030


 45, 32.721,
168.030


 75, 32.721,
168.030

 35, 32.721,
168.030

 85, 32.721,
168.030

 25, 32.721,
168.030

 95, 32.721,
168.030

 15, 32.721,
168.030

 5, 32.721, 168.030

 0, 32.721, 168.030

■ 55, 32.721,
168.030

■ 55, 32.721,
168.030

■ 54, 37.170,
166.532

■ 56, 27.738,
169.373

■ 54, 41.022,
164.860

■ 56, 22.305,
170.588

■ 54, 44.253,
162.997

■ 57, 16.524,
171.697

■ 53, 46.936,
160.971

■ 58, 10.491,
172.722

■ 53, 47.748,
160.358

■ 60, 4.300, 173.710

■ 61, 1.972, 354.309

■ 62, 8.259, 355.274

■ 64, 14.509,
356.070

■ 65, 20.682,
356.815

Harmonies

Complementary

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



55, 32.721, 168.030



39, 37.896, 1.971

Rectangle

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



55, 32.721, 168.030



55, 32.721, 218.030



55, 32.721, 348.030



55, 32.721, 38.030

Sweetspot

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



55, 32.721, 168.029



74, 13.031, 172.675



55, 50.814, 131.960



38, 8.674, 172.501



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 32.721, 168.029



69, 46.160, 166.130



51, 22.521, 218.639



31, 3.571, 173.474



51, 45.671, 160.485



2, 3.144, 174.241

Inverse Universe

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



39, 37.896, 1.971



46, 54.627, 5.158



41, 34.817, 37.503



29, 3.657, 355.013



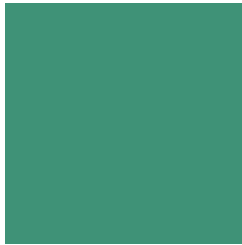
28, 54.499, 17.309



1, 3.145, 354.228

Previews

White Background



This preview shows how the CIE LCh color 55, 32.721, 168.030 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 55, 32.721, 168.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

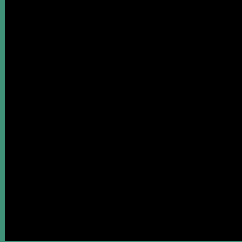
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 32.721, 168.030

Background



This preview shows how black text looks on a background with the CIELCh color 55, 32.721, 168.030.

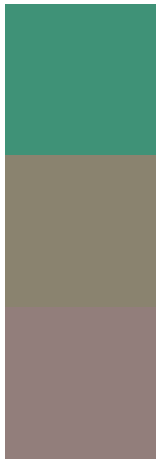


This preview shows how white text looks on a background with the CIELCh color 55, 32.721, 168.030.

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
55, 32.721, 168.030

Protanopia
55, 11.804, 94.314

Deuteranopia
55, 8.413, 31.953



Tritanopia
55, 22.026, 215.978

Trichromacy



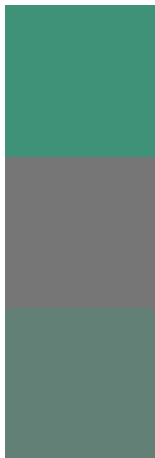
Original Color
55, 32.721, 168.030

Protanomaly
54, 16.192, 146.725

Deuteranomaly
54, 9.301, 155.613

Tritanomaly
55, 23.945, 194.365

Monochromacy



Original Color
55, 32.721, 168.030

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 13.079, 171.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 32.721, 168.030 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(63, 146, 119)` looks like.

```
.text, #text, p{  
    color:rgb(63, 146, 119)  
}
```

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(63, 146, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 146, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 32.721, 168.030 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(63, 146, 119) }
```

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

```
.border{ border-color:rgb(63, 146, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 146, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 146, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 146, 119);  
box-shadow:4px 4px 4px 4px rgb(63, 146,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 32.721, 168.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 146, 119) }
```

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

```
.background{ background-color: rgb(63, 146,  
119) }
```

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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