

Converting Colors

CIELCh(55, 0.787, 327.433)

Have a look what the booklet for
CIELCh(55, 0.787, 327.433) contains.

CIELCh(55, 0.707, 324.214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(55, 0.707, 324.214)

Conversions

Conversions Part 1	
Format	Color
Hex	848384
RGB	132, 131, 132
RGB Percent	52%, 51%, 52%
CMY	0.4810, 0.4850, 0.4810
CMYK	0.00, 0.01, 0.00, 0.48
HSL	300°, 0%, 52%
HSV	300°, 1%, 52%
XYZ	21.9169, 22.9298, 25.2205
YIQ	131.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

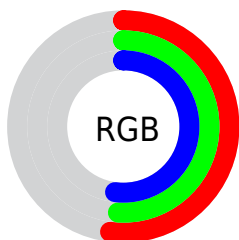
Format	Color
RYB	132, 131, 132
Decimal	8684420
CIELab	55.00, 0.57, -0.41
CIELCh	55, 0.707, 324.214
Yxy	22.9298, 0.3128, 0.3273
Android (android.graphics.Color)	4286874500 (0xFF848384)
YUV	131.4130, 0.2894, 0.5148
Hunter-Lab	47.8851, -2.1000, 2.2923

Details

The CIELCh color $55, 0.707, 324.214$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 0.693, 144.676$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 0.666, 324.107$, and $35, 0.765, 324.323$ is the 20% darker color. If you saturate the color by 10%, you get $51, 10.046, 324.990$, and if you desaturate by 10%, it is $59, 8.474, 143.986$.

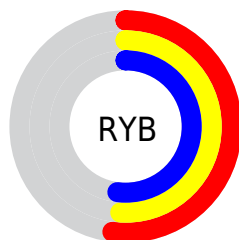
Distribution



Red (52%)

Green (51%)

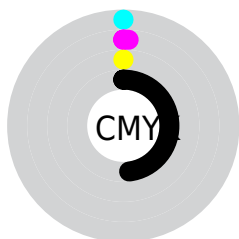
Blue (52%)



Red (52%)

Yellow (51%)

Blue (52%)

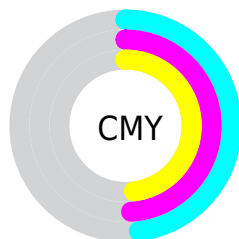


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 0.707, 324.214 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, 0.707, 324.214 by changing the saturation by 10% instead.

 55, 0.707, 324.214

 55, 0.707, 324.214

100, 0.707,
324.214

 45, 0.707, 324.214

 75, 0.707, 324.214

 35, 0.707, 324.214

 85, 0.707, 324.214

 25, 0.707, 324.214

 95, 0.707, 324.214


 15, 0.707, 324.214

 5, 0.707, 324.214

 0, 0.707, 324.214

 55, 0.707, 324.214

 55, 0.707, 324.214

 51, 10.046,
324.990

 59, 8.474, 143.986

 63, 17.435,

■ 48, 19.453,
325.526

143.472

■ 45, 28.787,
326.045

■ 66, 26.146,
142.986

■ 41, 37.849,
326.538

■ 70, 34.592,
142.525

■ 39, 46.378,
326.991

■ 74, 42.770,
142.090

■ 36, 54.060,
327.390

■ 78, 50.687,
141.681

■ 34, 60.556,
327.719

■ 82, 58.351,
141.299

■ 33, 65.566,
327.967

■ 86, 65.776,
140.943

■ 32, 68.911,
328.131

■ 90, 72.974,
140.612

Harmonies

Complementary

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



55, 0.707, 324.214



55, 0.693, 144.676

Rectangle

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



55, 0.707, 324.214



55, 0.707, 14.214



55, 0.707, 144.214



55, 0.707, 194.214

Sweetspot

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



55, 0.705, 324.212



70, 0.009, 296.813



55, 0.570, 289.672



37, 0.005, 296.813



86, 0.010, 296.813

Same Dimension

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



55, 0.705, 324.212



69, 1.150, 324.296



55, 0.501, 342.234



28, 0.527, 324.267



30, 70.125, 328.232



0, 1.256, 324.438

Inverse Universe

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



55, 0.395, 18.422



69, 0.646, 18.706



55, 0.490, 163.307



28, 0.296, 18.609



26, 62.119, 38.508



0, 0.707, 19.404

Previews

White Background



This preview shows how the CIELCh color 55, 0.707, 324.214 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 CIE LCh color 55, 0.707, 324.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

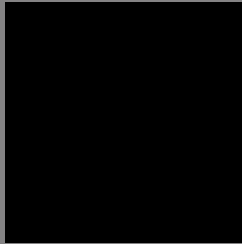
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

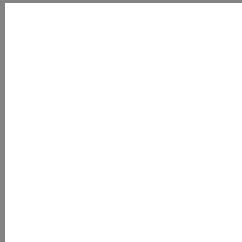
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 0.707, 324.214

Background



This preview shows how black text looks on a background with the CIELCh color 55, 0.707, 324.214.



This preview shows how white text looks on a background with the CIELCh color 55, 0.707, 324.214.

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, 0.707, 324.214

Protanopia

55, 1.327, 353.627

Deuteranopia

55, 7.624, 353.435



Tritanopia
55, 5.978, 305.835

Trichromacy



Original Color

55, 0.707, 324.214

Protanomaly

55, 0.987, 343.464

Deuteranomaly

55, 4.955, 352.334

Tritanomaly

55, 4.211, 306.752

Monochromacy



Original Color

55, 0.707, 324.214

Achromatopsia

55, 0.007, 296.813

Achromatomaly

55, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 0.707, 324.214 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(132, 131, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 131, 132)  
}
```

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(132, 131, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 131, 132) }
```

Border

The CSS property to change the border of an element to CIElCh 55, 0.707, 324.214 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(132, 131, 132) }
```

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

```
.border{ border-color:rgb(132, 131, 132) }
```

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

Here you see how a box with a 4 pixel rgb(132, 131, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 131, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 131, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 131,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 0.707, 324.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 131, 132) }
```

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

```
.background{ background-color: rgb(132,  
131, 132) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor