

Converting Colors

CIELCh(42, 55.499, 128.726)

Have a look what the booklet for
CIELCh(42, 55.499, 128.726)
contains.

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Color

CIELCh(42, 55.665, 128.759)

Conversions

Conversions Part 1

Format	Color
Hex	39700F
RGB	57, 112, 15
RGB Percent	22%, 44%, 6%
CMY	0.7764, 0.5607, 0.9410
CMYK	0.49, 0.00, 0.87, 0.56
HSL	94°, 76%, 25%
HSV	94°, 87%, 44%
XYZ	7.5729, 12.5000, 2.4670
YIQ	84.4970, -1.6430, -41.8270

Conversions

Conversions Part 2

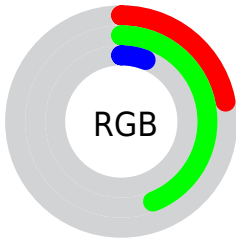
Format	Color
RYB	15, 112, 70
Decimal	3764239
CIELab	42.00, -34.85, 43.41
CIELCh	42, 55.665, 128.759
Yxy	12.5000, 0.3360, 0.5546
Android (android.graphics.Color)	4281954319 (0xFF39700F)
YUV	84.4970, -34.2620, -24.1149
Hunter-Lab	35.3553, -23.6385, 20.6117

Details

The CIELCh color $42, 55.665, 128.759$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $19, 61.166, 314.315$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 55.579, 128.638$, and $22, 43.432, 136.854$ is the 20% darker color. If you saturate the color by 10%, you get $42, 59.115, 129.260$, and if you desaturate by 10%, it is $42, 51.214, 128.543$.

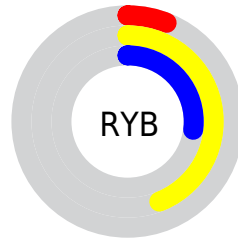
Distribution



Red (22%)

Green (44%)

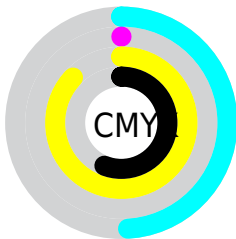
Blue (6%)



Red (6%)

Yellow (44%)

Blue (27%)

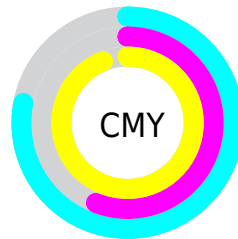


Cyan (49%)

Magenta (0%)

Yellow (87%)

Black (56%)



Cyan (78%)


Magenta (56%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 55.665, 128.759 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 42, 55.665, 128.759 by changing the saturation by 10% instead.


 42, 55.665,
128.759


 42, 55.665,
128.759


 100, 55.665,
128.759


 32, 55.665,
128.759

 62, 55.665,
128.759


 22, 55.665,
128.759

 72, 55.665,
128.759

 12, 55.665,
128.759

 82, 55.665,
128.759

 2, 55.665, 128.759

 92, 55.665,
128.759

 0, 55.665, 128.759

 42, 55.665,

 42, 55.665,

128.759

■ 42, 59.115,
129.260

■ 42, 60.285,
129.373

128.759

■ 42, 51.214,
128.543

■ 43, 45.777,
128.635

■ 43, 39.633,
128.927

■ 44, 33.016,
129.330

■ 44, 26.103,
129.783

■ 45, 19.023,
130.247

■ 46, 11.864,
130.701

■ 47, 4.692, 131.136

Harmonies

Complementary

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



42, 55.665, 128.759



19, 61.166, 314.315

Rectangle

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



42, 55.665, 128.759



42, 55.665, 178.759



42, 55.665, 308.759



42, 55.665, 358.759

Sweetspot

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



42, 55.665, 128.760



58, 23.041, 130.242



34, 40.052, 70.476



30, 15.733, 130.120



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 55.665, 128.760



53, 73.044, 129.788



41, 59.582, 138.098



23, 4.024, 131.031



44, 63.336, 129.490



87, 109.190, 130.373

Inverse Universe

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



19, 61.166, 314.315



23, 80.770, 313.743



26, 56.925, 330.496



22, 4.068, 311.725



18, 70.138, 313.950



42, 120.394, 313.329

Previews

White Background



This preview shows how the CIELCh color 42, 55.665, 128.759 looks on a white 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

Black Background



This preview shows how the CIE LCh color 42, 55.665, 128.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

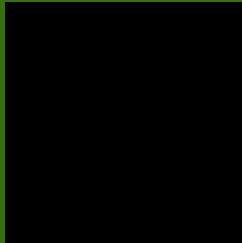
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 55.665, 128.759

Background



This preview shows how black text looks on a background with the CIELCh color 42, 55.665, 128.759.



This preview shows how white text looks on a background with the CIELCh color 42, 55.665, 128.759.

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


42, 55.665, 128.759

Protanopia

42, 46.030, 95.746

Deuteranopia

42, 41.198, 82.710



Tritanopia
42, 12.634, 223.886

Trichromacy



Original Color
42, 55.665, 128.759

Protanomaly
41, 47.706, 110.871

Deuteranomaly
41, 42.531, 104.452

Tritanomaly
42, 24.537, 149.461

Monochromacy



Original Color
42, 55.665, 128.759

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 22.987, 129.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 55.665, 128.759 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(57, 112, 15)` looks like.

```
.text, #text, p{  
    color:rgb(57, 112, 15)  
}
```

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(57, 112, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 112, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 55.665, 128.759 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(57, 112, 15) }
```

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

```
.border{ border-color:rgb(57, 112, 15) }
```

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

Here you see how a box with a 4 pixel rgb(57, 112, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 112, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 112, 15);  
box-shadow:4px 4px 4px 4px rgb(57, 112,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 55.665, 128.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 112, 15) }
```

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

```
.background{ background-color: rgb(57, 112,  
15) }
```

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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