

Converting Colors

CIELCh(55, 45.493, 149.438)

Have a look what the booklet for
CIELCh(55, 45.493, 149.438)
contains.

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Color

CIELCh(55, 45.491, 149.409)

Conversions

Conversions Part 1

Format	Color
Hex	3F945A
RGB	63, 148, 90
RGB Percent	25%, 58%, 35%
CMY	0.7534, 0.4201, 0.6475
CMYK	0.57, 0.00, 0.39, 0.42
HSL	139°, 40%, 41%
HSV	139°, 57%, 58%
XYZ	14.4528, 22.9298, 13.3117
YIQ	115.9730, -32.0420, -36.0580

Conversions

Conversions Part 2

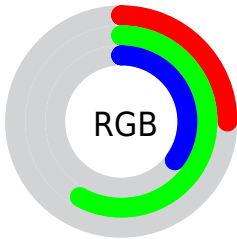
Format	Color
R_{YB}	63, 128, 148
Decimal	4166746
CIE _{Lab}	55.00, -39.16, 23.15
CIE _{LCh}	55, 45.491, 149.409
Yxy	22.9298, 0.2851, 0.4523
Android (android.graphics.Color)	4282356826 (0xFF3F945A)
YUV	115.9730, -12.8047, -46.4573
Hunter-Lab	47.8851, -29.9237, 17.0374

Details

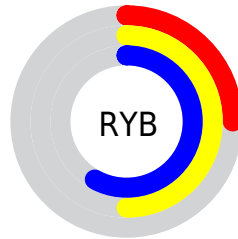
The CIELCh color $55, 45.491, 149.409$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $40, 45.752, 339.644$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 45.437, 149.485$, and $35, 44.367, 148.245$ is the 20% darker color. If you saturate the color by 10%, you get $54, 52.252, 147.917$, and if you desaturate by 10%, it is $56, 38.169, 150.723$.

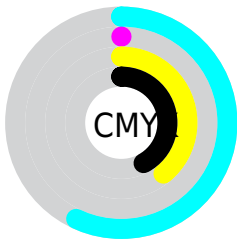
Distribution



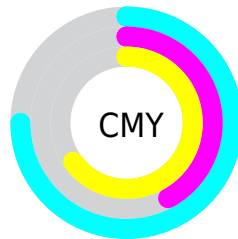
- Red (25%)
- Green (58%)
- Blue (35%)



- Red (25%)
- Yellow (50%)
- Blue (58%)



- Cyan (57%)
- Magenta (0%)
- Yellow (39%)
- Black (42%)





- Cyan (75%)
- Magenta (42%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 45.491, 149.409 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, 45.491, 149.409 by changing the saturation by 10% instead.


 55, 45.491,
149.409


 55, 45.491,
149.409


 100, 45.491,
149.409


 45, 45.491,
149.409


 75, 45.491,
149.409

 35, 45.491,
149.409

 85, 45.491,
149.409

 25, 45.491,
149.409

 95, 45.491,
149.409

 15, 45.491,
149.409

 5, 45.491, 149.409

 0, 45.491, 149.409

■ 55, 45.491,
149.409

■ 55, 45.491,
149.409

■ 54, 52.252,
147.917

■ 56, 38.169,
150.723

■ 54, 58.320,
146.245

■ 57, 30.429,
151.872

■ 54, 63.598,
144.414

■ 58, 22.417,
152.875

■ 53, 68.083,
142.519

■ 59, 14.264,
153.756

■ 53, 69.135,
142.087

■ 60, 6.082, 154.547

■ 62, 2.039, 335.042

■ 63, 10.032,
335.748

■ 65, 17.848,
336.295

■ 67, 25.457,
336.780

Harmonies

Complementary

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



55, 45.491, 149.409



40, 45.752, 339.644

Rectangle

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



55, 45.491, 149.409



55, 45.491, 199.409



55, 45.491, 329.409



55, 45.491, 19.409

Sweetspot

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



55, 45.492, 149.409



75, 17.104, 153.768



58, 47.223, 119.443



39, 11.534, 153.619



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 45.492, 149.409



69, 65.396, 147.451



56, 29.568, 178.974



31, 4.595, 154.414



50, 65.423, 142.229



2, 4.010, 155.020

Inverse Universe

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



40, 45.752, 339.644



48, 64.501, 341.094



39, 38.276, 12.924



29, 4.620, 335.600



30, 58.001, 345.654



1, 4.011, 335.012

Previews

White Background



This preview shows how the CIELCh color 55, 45.491, 149.409 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, 45.491, 149.409 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, 45.491, 149.409

Background



This preview shows how black text looks on a background with the CIELCh color 55, 45.491, 149.409.



This preview shows how white text looks on a background with the CIELCh color 55, 45.491, 149.409.

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, 45.491, 149.409

Protanopia
55, 27.616, 96.503

Deuteranopia
55, 21.975, 70.702



Tritanopia
55, 20.385, 217.672

Trichromacy



Original Color
55, 45.491, 149.409

Protanomaly
54, 30.526, 126.320

Deuteranomaly
54, 23.303, 120.118

Tritanomaly
55, 25.418, 178.400

Monochromacy



Original Color
55, 45.491, 149.409

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 17.498, 153.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 45.491, 149.409 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, 148, 90)` looks like.

```
.text, #text, p{  
    color:rgb(63, 148, 90)  
}
```

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, 148, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 148, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 45.491, 149.409 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, 148, 90) }
```

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

```
.border{ border-color:rgb(63, 148, 90) }
```

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

Here you see how a box with a 4 pixel rgb(63, 148, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 148, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 148, 90);  
box-shadow:4px 4px 4px 4px rgb(63, 148,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 45.491, 149.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 148, 90) }
```

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

```
.background{ background-color: rgb(63, 148,  
90) }
```

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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