

Converting Colors

CIELCh(55, 66.282, 145.008)

Have a look what the booklet for
CIELCh(55, 66.282, 145.008)
contains.

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Color

CIELCh(55, 65.992, 145.069)

Conversions

Conversions Part 1

Format	Color
Hex	01983D
RGB	1, 152, 61
RGB Percent	0%, 60%, 24%
CMY	0.9949, 0.4024, 0.7594
CMYK	0.99, 0.00, 0.60, 0.40
HSL	144°, 98%, 30%
HSV	144°, 99%, 60%
XYZ	12.1584, 22.9298, 8.2491
YIQ	96.4770, -60.7850, -60.3130

Conversions

Conversions Part 2

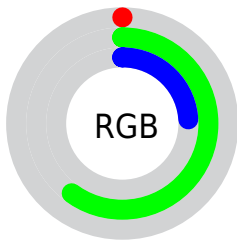
Format	Color
R_{YB}	1, 109, 152
Decimal	104509
CIE _{Lab}	55.00, -54.10, 37.79
CIE _{LCh}	55, 65.992, 145.069
Yxy	22.9298, 0.2806, 0.5291
Android (android.graphics.Color)	4278294589 (0xFF01983D)
YUV	96.4770, -17.4902, -83.7333
Hunter-Lab	47.8851, -38.4765, 23.3058

Details

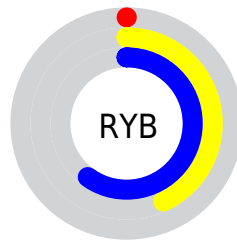
The CIELCh color **55, 65.992, 145.069** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 59.639, 351.950**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 66.332, 144.923**, and **36, 57.731, 137.507** is the 20% darker color. If you saturate the color by 10%, you get **55, 66.348, 144.908**, and if you desaturate by 10%, it is **55, 61.701, 147.093**.

Distribution



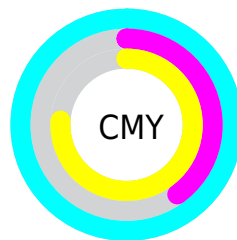
- Red (0%)
- Green (60%)
- Blue (24%)



- Red (0%)
- Yellow (43%)
- Blue (60%)



- Cyan (99%)
- Magenta (0%)
- Yellow (60%)
- Black (40%)





- Cyan (99%)
- Magenta (40%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 65.992, 145.069 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, 65.992, 145.069 by changing the saturation by 10% instead.


 55, 65.992,
145.069


 55, 65.992,
145.069


 100, 65.992,
145.069


 45, 65.992,
145.069


 75, 65.992,
145.069

 35, 65.992,
145.069

 85, 65.992,
145.069

 25, 65.992,
145.069

 95, 65.992,
145.069

 15, 65.992,
145.069

 5, 65.992, 145.069

 0, 65.992, 145.069

■ 55, 65.992,
145.069

■ 55, 65.992,
145.069

■ 55, 66.348,
144.908

■ 55, 61.701,
147.093

■ 56, 56.766,
149.048

■ 56, 51.101,
150.819

■ 57, 44.768,
152.395

■ 57, 37.870,
153.783

■ 58, 30.533,
155.002

■ 59, 22.891,
156.073

■ 60, 15.071,

157.019

■ 62, 7.184, 157.873

Harmonies

Complementary

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



55, 65.992, 145.069



33, 59.639, 351.950

Rectangle

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



55, 65.992, 145.069



55, 65.992, 195.069



55, 65.992, 325.069



55, 65.992, 15.069

Sweetspot

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



55, 65.992, 145.069



75, 29.258, 155.925



57, 71.082, 123.346



39, 19.862, 155.521



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 65.992, 145.069



70, 81.661, 144.432



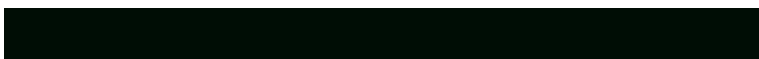
56, 38.026, 180.496



32, 4.456, 157.865



51, 62.210, 145.083



3, 4.835, 158.209

Inverse Universe

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



33, 59.639, 351.950



43, 72.499, 352.846



31, 65.839, 33.885



30, 4.491, 339.149



30, 56.300, 351.931



1, 4.778, 338.982

Previews

White Background



This preview shows how the CIELCh color 55, 65.992, 145.069 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, 65.992, 145.069 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, 65.992, 145.069

Background



This preview shows how black text looks on a background with the CIELCh color 55, 65.992, 145.069.



This preview shows how white text looks on a background with the CIELCh color 55, 65.992, 145.069.

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, 65.950, 145.034

Protanopia
55, 42.346, 95.442

Deuteranopia
55, 36.000, 79.240



Tritanopia
55, 25.171, 213.326

Trichromacy



Original Color
55, 65.950, 145.034



Protanomaly
53, 48.944, 128.599



Deuteranomaly
52, 40.961, 126.003



Tritanomaly
54, 36.252, 172.560

Monochromacy



Original Color
55, 65.950, 145.034



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 29.250, 154.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 65.992, 145.069 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(1, 152, 61)` looks like.

```
.text, #text, p{  
    color:rgb(1, 152, 61)  
}
```

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(1, 152, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 152, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 65.992, 145.069 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(1, 152, 61) }
```

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

```
.border{ border-color:rgb(1, 152, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 152, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 152, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 152, 61);  
box-shadow:4px 4px 4px 4px rgb(1, 152, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 65.992, 145.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 152, 61) }
```

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

```
.background{ background-color: rgb(1, 152,  
61) }
```

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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