

# Converting Colors

CIELCh(65, 55.036, 93.266)

Have a look what the booklet for  
CIELCh(65, 55.036, 93.266) contains.

<b>CIELCh(65, 55.036, 93.266)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(65, 55.036, 93.266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B49D35
RGB	180, 157, 53
RGB Percent	71%, 62%, 21%
CMY	0.2944, 0.3845, 0.7924
CMYK	0.00, 0.13, 0.71, 0.29
HSL	49°, 55%, 46%
HSV	49°, 71%, 71%
XYZ	31.4968, 34.0472, 8.2728
YIQ	152.0210, 47.0920, -27.4680

# Conversions

## Conversions Part 2

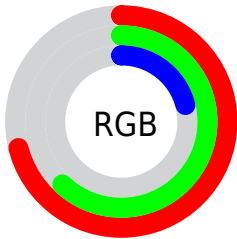
Format	Color
R <sub>Y</sub> B	81, 180, 53
Decimal	11836725
CIE Lab	65.00, -3.14, 54.95
CIE LCh	65, 55.036, 93.266
Yxy	34.0472, 0.4267, 0.4612
Android (android.graphics.Color)	4290026805 (0xFFB49D35)
YUV	152.0210, -48.8174, 24.5376
Hunter-Lab	58.3500, -5.7598, 32.4389

# Details

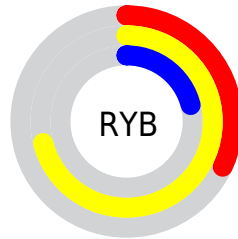
The CIELCh color **65, 55.036, 93.266** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **36, 63.835, 294.988**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 54.852, 92.968**, and **45, 51.666, 92.864** is the 20% darker color. If you saturate the color by 10%, you get **64, 60.613, 92.051**, and if you desaturate by 10%, it is **66, 48.258, 94.472**.

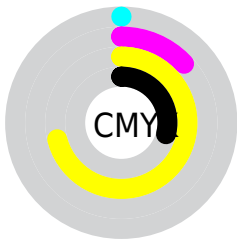
# Distribution



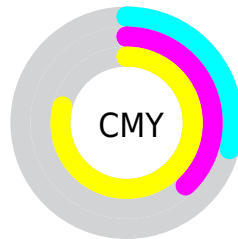
- Red (71%)
- Green (62%)
- Blue (21%)



- Red (32%)
- Yellow (71%)
- Blue (21%)



- Cyan (0%)
- Magenta (13%)
- Yellow (71%)
- Black (29%)



- Cyan (29%)
- Magenta (38%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 55.036, 93.266 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 65, 55.036, 93.266 by changing the saturation by 10% instead.



65, 55.036, 93.266

65, 55.036, 93.266

100, 55.036,  
93.266

55, 55.036, 93.266

85, 55.036, 93.266

45, 55.036, 93.266

95, 55.036, 93.266

35, 55.036, 93.266

25, 55.036, 93.266

15, 55.036, 93.266

5, 55.036, 93.266

0, 55.036, 93.266

65, 55.036, 93.266

65, 55.036, 93.266

64, 60.613, 92.051

66, 48.258, 94.472

63, 64.406, 90.786

67, 40.764, 95.670

62, 66.376, 89.531

68, 32.881, 96.864

69, 24.812, 98.046

71, 16.677, 99.207

72, 8.546, 100.337

73, 0.456, 101.159

75, 7.572, 282.540

76, 15.526,  
283.552

# Harmonies

# Complementary

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



65, 55.036, 93.266



36, 63.835, 294.988

# Rectangle

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



65, 55.036, 93.266



65, 55.036, 143.266



65, 55.036, 273.266



65, 55.036, 323.266

# Sweetspot

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



65, 55.036, 93.269



90, 21.120, 99.117



42, 54.843, 17.163



47, 14.290, 98.804



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



65, 55.036, 93.269



81, 76.958, 91.316



68, 65.568, 119.142



37, 4.544, 100.476



54, 58.959, 89.723



7, 10.129, 96.705





# Inverse Universe

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



36, 63.835, 294.988



39, 97.230, 299.553



34, 77.248, 307.768



35, 4.601, 282.619



21, 80.543, 302.669

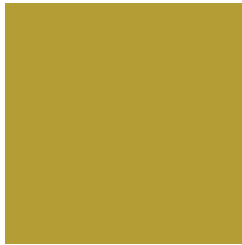


2, 11.509, 283.793



# Previews

## White Background



This preview shows how the CIELCh color 65, 55.036, 93.266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 65, 55.036, 93.266 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 ✓ Pass

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

# CIELCh 65, 55.036, 93.266

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 55.036, 93.266.



This preview shows how white text looks on a background with the CIELCh color 65, 55.036, 93.266.

# 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

65, 55.036, 93.266

### Protanopia

65, 55.068, 95.207

### Deuteranopia

65, 55.202, 81.404



**Tritanopia**  
65, 17.142, 0.431



# Trichromacy



**Original Color**  
65, 55.036, 93.266

**Protanomaly**  
65, 55.154, 94.738

**Deuteranomaly**  
65, 55.071, 85.903

**Tritanomaly**  
65, 22.670, 68.682

# Monochromacy



**Original Color**  
65, 55.036, 93.266

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 21.296, 98.756

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 55.036, 93.266 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(180, 157, 53)` looks like.

```
.text, #text, p{  
    color:rgb(180, 157, 53)  
}
```

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(180, 157, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 157, 53) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 55.036, 93.266 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(180, 157, 53) }
```

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

```
.border{ border-color:rgb(180, 157, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 157, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 157, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 157, 53);  
box-shadow:4px 4px 4px 4px rgb(180, 157,  
53) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 55.036, 93.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 157, 53) }
```

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

```
.background{ background-color: rgb(180,  
157, 53) }
```

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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