

Converting Colors

CIELCh(65, 54.713, 93.477)

Have a look what the booklet for
CIELCh(65, 54.713, 93.477) contains.

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Color

CIELCh(65, 54.630, 93.235)

Conversions

Conversions Part 1

Format	Color
Hex	B49D36
RGB	180, 157, 54
RGB Percent	71%, 62%, 21%
CMY	0.2944, 0.3846, 0.7885
CMYK	0.00, 0.13, 0.70, 0.29
HSL	49°, 54%, 46%
HSV	49°, 70%, 71%
XYZ	31.5111, 34.0472, 8.3916
YIQ	152.1350, 46.7710, -27.1570

Conversions

Conversions Part 2

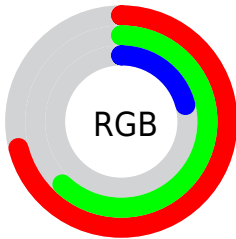
Format	Color
R_{YB}	82, 180, 54
Decimal	11836726
CIE Lab	65.00, -3.08, 54.54
CIE LCh	65, 54.630, 93.235
Yxy	34.0472, 0.4261, 0.4604
Android (android.graphics.Color)	4290026806 (0xFFB49D36)
YUV	152.1350, -48.3806, 24.4376
Hunter-Lab	58.3500, -5.7158, 32.3182

Details

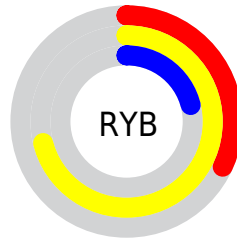
The CIELCh color **65, 54.630, 93.235** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **37, 63.157, 294.765**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 54.395, 92.912**, and **45, 51.666, 92.864** is the 20% darker color. If you saturate the color by 10%, you get **64, 60.289, 92.016**, and if you desaturate by 10%, it is **66, 47.804, 94.444**.

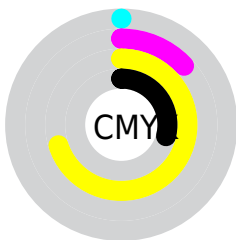
Distribution



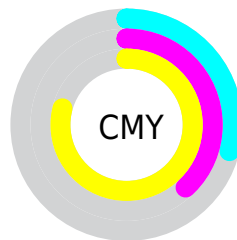
- Red (71%)
- Green (62%)
- Blue (21%)



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



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 54.630, 93.235 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, 54.630, 93.235 by changing the saturation by 10% instead.

 65, 54.630, 93.235

 65, 54.630, 93.235

 100, 54.630,
93.235

 55, 54.630, 93.235

 85, 54.630, 93.235

 45, 54.630, 93.235

 95, 54.630, 93.235

 35, 54.630, 93.235

 25, 54.630, 93.235

 15, 54.630, 93.235

 5, 54.630, 93.235

 0, 54.630, 93.235

 65, 54.630, 93.235

 65, 54.630, 93.235

 64, 60.289, 92.016

 66, 47.804, 94.444

63, 64.197, 90.747

67, 40.286, 95.646

62, 66.323, 89.411

68, 32.396, 96.841

69, 24.330, 98.024

71, 16.205, 99.186

72, 8.087, 100.314

73, 0.013, 90.704

75, 7.997, 282.515

76, 15.933,
283.527

Harmonies

Complementary

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



65, 54.630, 93.235



37, 63.157, 294.765

Rectangle

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



65, 54.630, 93.235



65, 54.630, 143.235



65, 54.630, 273.235



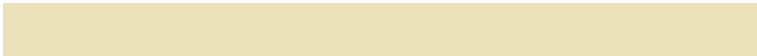
65, 54.630, 323.235

Sweetspot

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



65, 54.630, 93.238



90, 21.090, 99.032



43, 54.445, 16.969



47, 14.270, 98.719



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, 54.630, 93.238



81, 76.432, 91.338



68, 65.172, 119.144



37, 4.537, 100.393



53, 58.918, 89.605



7, 10.109, 96.579

Inverse Universe

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



37, 63.157, 294.765



40, 95.854, 299.208



35, 76.660, 307.727



35, 4.594, 282.538



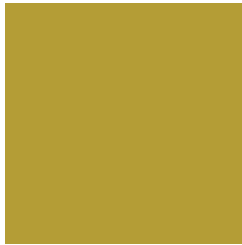
21, 80.424, 302.625



2, 11.496, 283.736

Previews

White Background



This preview shows how the CIELCh color 65, 54.630, 93.235 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, 54.630, 93.235 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, 54.630, 93.235

Background



This preview shows how black text looks on a background with the CIELCh color 65, 54.630, 93.235.



This preview shows how white text looks on a background with the CIELCh color 65, 54.630, 93.235.

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, 54.630, 93.235

Protanopia

65, 54.663, 95.188

Deuteranopia

65, 54.797, 81.287



Tritanopia
65, 17.142, 0.431

Trichromacy



Original Color
65, 54.630, 93.235

Protanomaly
65, 54.749, 94.716

Deuteranomaly
65, 54.665, 85.819

Tritanomaly
65, 22.670, 68.682

Monochromacy



Original Color
65, 54.630, 93.235

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, 54.630, 93.235 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(180, 157, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 157, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 54.630, 93.235 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, 54) }
```

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

```
.border{ border-color:rgb(180, 157, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 157, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 157, 54);  
box-shadow:4px 4px 4px 4px rgb(180, 157,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 54.630, 93.235 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, 54) }
```

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

```
.background{ background-color: rgb(180,  
157, 54) }
```

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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