

Converting Colors

CIELCh(63, 65.134, 69.606)

Have a look what the booklet for
CIELCh(63, 65.134, 69.606) contains.

CIELCh(63, 65.136, 69.720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 65.136, 69.720)

Conversions

Conversions Part 1

Format	Color
Hex	D58723
RGB	213, 135, 35
RGB Percent	84%, 53%, 14%
CMY	0.1648, 0.4706, 0.8628
CMYK	0.00, 0.37, 0.84, 0.16
HSL	34°, 72%, 49%
HSV	34°, 84%, 84%
XYZ	36.3987, 31.5869, 5.7669
YIQ	146.9220, 78.5880, -14.5640

Conversions

Conversions Part 2

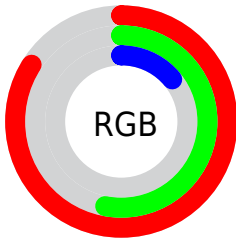
Format	Color
RYB	174, 213, 35
Decimal	13993763
CIELab	63.00, 22.58, 61.10
CIElCh	63, 65.136, 69.720
Yxy	31.5869, 0.4935, 0.4283
Android (android.graphics.Color)	4292183843 (0xFFD58723)
YUV	146.9220, -55.1775, 57.9504
Hunter-Lab	56.2022, 17.2493, 33.2579

Details

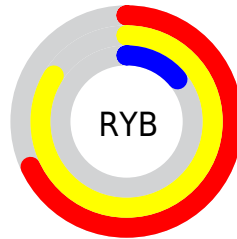
The CIELCh color **63, 65.136, 69.720** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **48, 59.442, 283.138**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 59.947, 76.005**, and **43, 57.003, 65.930** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.461, 67.334**, and if you desaturate by 10%, it is **65, 58.000, 71.588**.

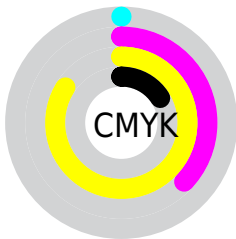
Distribution



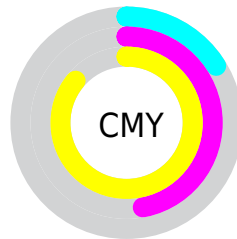
- Red (84%)
- Green (53%)
- Blue (14%)



- Red (68%)
- Yellow (84%)
- Blue (14%)



- Cyan (0%)
- Magenta (37%)
- Yellow (84%)
- Black (16%)



- Cyan (16%)
- Magenta (47%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 65.136, 69.720 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 63, 65.136, 69.720 by changing the saturation by 10% instead.

63, 65.136, 69.720

63, 65.136, 69.720

100, 65.136,
69.720

53, 65.136, 69.720

83, 65.136, 69.720

43, 65.136, 69.720

93, 65.136, 69.720

33, 65.136, 69.720

23, 65.136, 69.720

13, 65.136, 69.720

3, 65.136, 69.720

0, 65.136, 69.720

63, 65.136, 69.720

63, 65.136, 69.720

61, 70.461, 67.334

65, 58.000, 71.588

59, 72.945, 65.549

68, 49.971, 73.184

70, 41.650, 74.651

73, 33.361, 76.055

76, 25.261, 77.422

78, 17.416, 78.756

81, 9.845, 80.052

84, 2.541, 81.229

87, 4.512, 262.670

Harmonies

Complementary

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



63, 65.136, 69.720



48, 59.442, 283.138

Rectangle

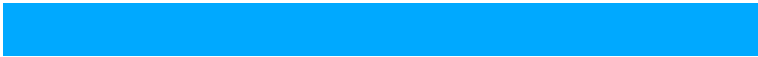
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 65.136, 69.720



63, 65.136, 119.720



63, 65.136, 249.720



63, 65.136, 299.720

Sweetspot

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



63, 65.135, 69.723



92, 21.441, 78.534



48, 69.968, 0.422



48, 14.724, 78.062



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 65.135, 69.723



70, 83.668, 65.145



82, 80.020, 105.984



44, 4.103, 80.570



48, 61.789, 66.143



10, 17.202, 66.674

Inverse Universe

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



48, 59.442, 283.138



50, 83.188, 290.432



31, 105.493, 304.908



43, 4.050, 263.114



34, 59.986, 289.302



6, 18.731, 278.116

Previews

White Background



This preview shows how the CIELCh color 63, 65.136, 69.720 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 CIELCh color 63, 65.136, 69.720 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 63, 65.136, 69.720

Background



This preview shows how black text looks on a background with the CIELCh color 63, 65.136, 69.720.



This preview shows how white text looks on a background with the CIELCh color 63, 65.136, 69.720.

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

63, 65.136, 69.720

Protanopia

63, 58.004, 95.107

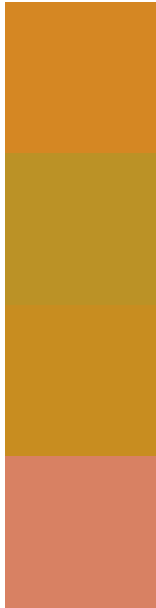
Deuteranopia

63, 62.345, 82.398



Tritanopia
63, 38.082, 16.389

Trichromacy



Original Color
63, 65.136, 69.720

Protanomaly
63, 58.918, 84.860

Deuteranomaly
63, 62.821, 77.505

Tritanomaly
63, 43.221, 44.972

Monochromacy



Original Color
63, 65.136, 69.720

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 24.192, 77.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 65.136, 69.720 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(213, 135, 35)` looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 35)  
}
```

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(213, 135, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 65.136, 69.720 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(213, 135, 35) }
```

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

```
.border{ border-color:rgb(213, 135, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 35);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 65.136, 69.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 135, 35) }
```

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

```
.background{ background-color: rgb(213,  
135, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor