

Converting Colors

CIELCh(73, 51.155, 65.700)

Have a look what the booklet for
CIELCh(73, 51.155, 65.700) contains.

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Color

CIELCh(73, 51.017, 65.722)

Conversions

Conversions Part 1

Format	Color
Hex	EEA35E
RGB	238, 163, 94
RGB Percent	93%, 64%, 37%
CMY	0.0668, 0.3609, 0.6315
CMYK	0.00, 0.32, 0.61, 0.07
HSL	29°, 81%, 65%
HSV	29°, 61%, 93%
XYZ	50.3613, 45.1644, 16.6467
YIQ	177.5590, 66.8490, -5.5590

Conversions

Conversions Part 2

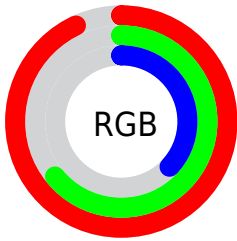
Format	Color
R _{YB}	238, 226, 94
Decimal	15639390
CIE Lab	73.00, 20.98, 46.51
CIE LCh	73, 51.017, 65.722
Yxy	45.1644, 0.4490, 0.4026
Android (android.graphics.Color)	4293829470 (0xFFEEA35E)
YUV	177.5590, -41.1946, 53.0068
Hunter-Lab	67.2044, 16.1555, 32.3568

Details

The CIELCh color **73, 51.017, 65.722** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **67, 41.645, 265.926**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 40.305, 84.949**, and **53, 51.076, 65.802** is the 20% darker color. If you saturate the color by 10%, you get **70, 60.428, 64.400**, and if you desaturate by 10%, it is **76, 41.655, 66.974**.

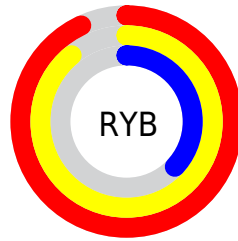
Distribution



Red (93%)

Green (64%)

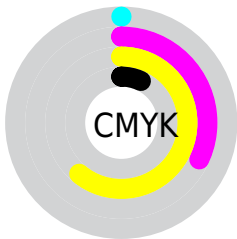
Blue (37%)



Red (93%)

Yellow (89%)

Blue (37%)

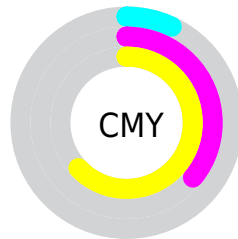


Cyan (0%)

Magenta (32%)

Yellow (61%)

Black (7%)



Cyan (7%)

Magenta (36%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 51.017, 65.722 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 73, 51.017, 65.722 by changing the saturation by 10% instead.

73, 51.017, 65.722

73, 51.017, 65.722

100, 51.017,
65.722

63, 51.017, 65.722

93, 51.017, 65.722

53, 51.017, 65.722

43, 51.017, 65.722

33, 51.017, 65.722

23, 51.017, 65.722

13, 51.017, 65.722

3, 51.017, 65.722

0, 51.017, 65.722

73, 51.017, 65.722

73, 51.017, 65.722

70, 60.428, 64.400

76, 41.655, 66.974

67, 69.364, 62.859

80, 32.590, 68.199

64, 76.862, 60.827

83, 23.921, 69.420

62, 81.935, 58.256

87, 15.671, 70.634

90, 7.828, 71.821

94, 0.363, 71.868

97, 4.814, 233.362

99, 5.850, 199.148

Harmonies

Complementary

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



73, 51.017, 65.722



67, 41.645, 265.926

Rectangle

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



73, 51.017, 65.722



73, 51.017, 115.722



73, 51.017, 245.722



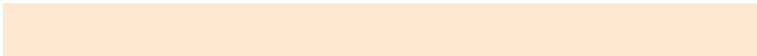
73, 51.017, 295.722

Sweetspot

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



73, 51.016, 65.726



93, 14.455, 70.928



61, 64.094, 348.702



49, 10.120, 70.576



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 51.016, 65.726



74, 66.359, 64.004



90, 67.935, 102.931



48, 4.246, 71.939



48, 67.194, 58.931



13, 23.431, 59.032

Inverse Universe

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



67, 41.645, 265.926



66, 52.364, 270.694



49, 80.865, 298.696



48, 4.139, 254.415



41, 54.089, 281.929



10, 20.611, 274.035

Previews

White Background



This preview shows how the CIELCh color 73, 51.017, 65.722 looks on a white background.

Color Contrast Check

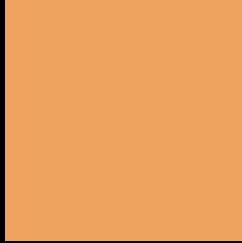
Large Text (above 18pt) WCAG AA × Fail

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 73, 51.017, 65.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

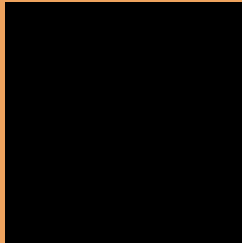
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 51.017, 65.722

Background



This preview shows how black text looks on a background with the CIELCh color 73, 51.017, 65.722.



This preview shows how white text looks on a background with the CIELCh color 73, 51.017, 65.722.

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

73, 51.017, 65.722

Protanopia

73, 42.966, 96.159

Deuteranopia

73, 48.063, 78.561



Tritanopia
73, 35.162, 13.309

Trichromacy



Original Color
73, 51.017, 65.722

Protanomaly
73, 44.065, 83.951

Deuteranomaly
73, 48.632, 73.628

Tritanomaly
73, 36.395, 37.528

Monochromacy



Original Color
73, 51.017, 65.722

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 17.936, 71.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 51.017, 65.722 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(238, 163, 94)` looks like.

```
.text, #text, p{  
    color:rgb(238, 163, 94)  
}
```

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(238, 163, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 163, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 51.017, 65.722 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(238, 163, 94) }
```

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

```
.border{ border-color:rgb(238, 163, 94) }
```

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

Here you see how a box with a 4 pixel rgb(238, 163, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 163, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 163, 94);  
box-shadow:4px 4px 4px 4px rgb(238, 163,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 51.017, 65.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 163, 94) }
```

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

```
.background{ background-color: rgb(238,  
163, 94) }
```

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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