

Converting Colors

CIELCh(49, 7.576, 66.333)

Have a look what the booklet for
CIELCh(49, 7.576, 66.333) contains.

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Color

CIELCh(49, 7.637, 63.224)

Conversions

Conversions Part 1

Format	Color
Hex	7F7269
RGB	127, 114, 105
RGB Percent	50%, 45%, 41%
CMY	0.5016, 0.5526, 0.5879
CMYK	0.00, 0.10, 0.17, 0.50
HSL	25°, 9%, 46%
HSV	25°, 17%, 50%
XYZ	17.3463, 17.5941, 15.8689
YIQ	116.8610, 10.6370, -0.0430

Conversions

Conversions Part 2

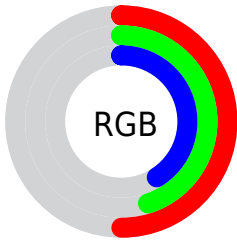
Format	Color
R_{YB}	127, 120, 105
Decimal	8352361
CIE _{Lab}	49.00, 3.44, 6.82
CIE _{LCh}	49, 7.637, 63.224
Yxy	17.5941, 0.3414, 0.3463
Android (android.graphics.Color)	4286542441 (0xFF7F7269)
YUV	116.8610, -5.8475, 8.8919
Hunter-Lab	41.9453, 0.4136, 6.9309

Details

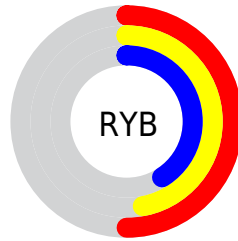
The CIELCh color $49, 7.637, 63.224$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 7.137, 247.076$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 7.751, 64.450$, and $29, 7.704, 61.535$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.416, 62.272$, and if you desaturate by 10%, it is $51, 3.131, 64.174$.

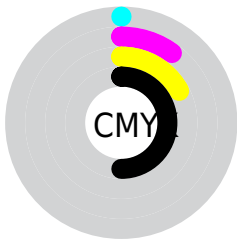
Distribution



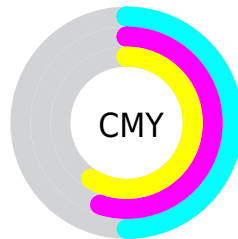
- Red (50%)
- Green (45%)
- Blue (41%)



- Red (50%)
- Yellow (47%)
- Blue (41%)



- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (50%)



- Cyan (50%)
- Magenta (55%)
- Yellow (59%)



Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.637, 63.224 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 49, 7.637, 63.224 by changing the saturation by 10% instead.

 49, 7.637, 63.224  49, 7.637, 63.224

 100, 7.637, 63.224  39, 7.637, 63.224

 69, 7.637, 63.224  29, 7.637, 63.224

 79, 7.637, 63.224  19, 7.637, 63.224

 89, 7.637, 63.224  9, 7.637, 63.224

 99, 7.637, 63.224  0, 7.637, 63.224

 49, 7.637, 63.224  49, 7.637, 63.224

 47, 12.416, 62.272  51, 3.131, 64.174

 44, 17.488, 61.324  54, 1.125, 245.553

 42, 22.861, 60.406  56, 5.158, 246.330

■ 40, 28.518, 59.518

■ 59, 8.992, 247.284

■ 38, 34.392, 58.638

■ 61, 12.650,
248.234

■ 36, 40.322, 57.699

■ 64, 16.153,
249.162

■ 34, 45.962, 56.534

■ 32, 51.071, 55.162

■ 66, 19.520,
250.064

■ 32, 52.545, 54.954

■ 69, 22.767,
250.935

■ 72, 25.908,
251.774

Harmonies

Complementary

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



49, 7.637, 63.224



49, 7.137, 247.076

Rectangle

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



49, 7.637, 63.224



49, 7.637, 113.224



49, 7.637, 243.224



49, 7.637, 293.224

Sweetspot

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



49, 7.637, 63.237



66, 2.642, 64.350



47, 11.876, 339.903



35, 1.820, 64.306



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 7.637, 63.237



62, 11.655, 62.833



52, 11.456, 104.055



26, 2.433, 64.016



32, 52.680, 54.947



0, 0.000, 0.000

Inverse Universe

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



49, 7.137, 247.076



62, 10.693, 247.663



46, 11.800, 287.761



26, 2.354, 246.072



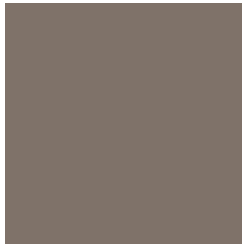
31, 35.006, 271.878



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 7.637, 63.224 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 7.637, 63.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

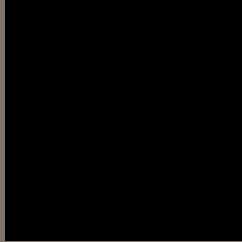
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 7.637, 63.224

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.637, 63.224.



This preview shows how white text looks on a background with the CIELCh color 49, 7.637, 63.224.

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

49, 7.637, 63.224

Protanopia

49, 6.205, 89.625

Deuteranopia

49, 9.497, 45.655



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 7.637, 63.224

Protanomaly
49, 6.246, 76.846

Deuteranomaly
49, 8.644, 52.679

Tritanomaly
49, 6.292, 9.409

Monochromacy



Original Color
49, 7.637, 63.224

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 2.689, 60.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.637, 63.224 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(127, 114, 105)` looks like.

```
.text, #text, p{  
    color:rgb(127, 114, 105)  
}
```

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(127, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 114, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.637, 63.224 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(127, 114, 105) }
```

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

```
.border{ border-color:rgb(127, 114, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 114, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 114, 105);  
box-shadow:4px 4px 4px 4px rgb(127, 114,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.637, 63.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 114, 105) }
```

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

```
.background{ background-color: rgb(127,  
114, 105) }
```

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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