

Converting Colors

CIELCh(42, 9.465, 50.144)

Have a look what the booklet for
CIELCh(42, 9.465, 50.144) contains.

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Color

CIELCh(42, 9.746, 49.725)

Conversions

Conversions Part 1

Format	Color
Hex	725F57
RGB	114, 95, 87
RGB Percent	45%, 37%, 34%
CMY	0.5522, 0.6267, 0.6581
CMYK	0.00, 0.17, 0.24, 0.55
HSL	18°, 13%, 39%
HSV	18°, 24%, 45%
XYZ	12.8019, 12.5000, 10.7944
YIQ	99.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

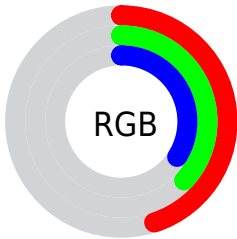
Format	Color
RYB	114, 98, 87
Decimal	7495511
CIELab	42.00, 6.30, 7.44
CIElCh	42, 9.746, 49.725
Yxy	12.5000, 0.3547, 0.3463
Android (android.graphics.Color)	4285685591 (0xFF725F57)
YUV	99.7690, -6.2951, 12.4806
Hunter-Lab	35.3553, 2.7619, 6.6467

Details

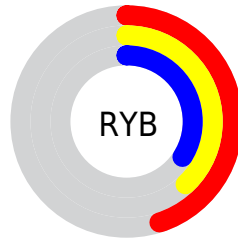
The CIELCh color $42, 9.746, 49.725$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 8.544, 233.105$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 9.630, 47.639$, and $22, 9.433, 50.200$ is the 20% darker color. If you saturate the color by 10%, you get $39, 14.390, 49.291$, and if you desaturate by 10%, it is $45, 5.424, 50.238$.

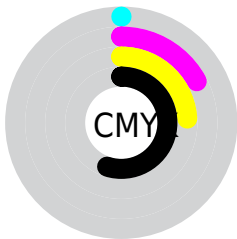
Distribution



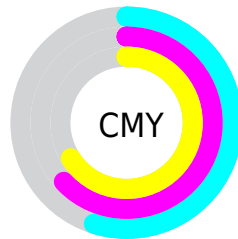
- Red (45%)
- Green (37%)
- Blue (34%)



- Red (45%)
- Yellow (38%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (55%)




- Cyan (55%)
- Magenta (63%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.746, 49.725 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 42, 9.746, 49.725 by changing the saturation by 10% instead.


 42, 9.746, 49.725  42, 9.746, 49.725


 100, 9.746, 49.725  32, 9.746, 49.725


 62, 9.746, 49.725  22, 9.746, 49.725

 72, 9.746, 49.725  12, 9.746, 49.725

 82, 9.746, 49.725  2, 9.746, 49.725

 92, 9.746, 49.725  0, 9.746, 49.725

 42, 9.746, 49.725  42, 9.746, 49.725

 39, 14.390, 49.291  45, 5.424, 50.238

 37, 19.375, 48.936  47, 1.399, 50.646

 35, 24.702, 48.690  50, 2.357, 231.656

■ 33, 30.343, 48.554

■ 52, 5.873, 232.222

■ 30, 36.208, 48.502

■ 55, 9.176, 232.867

■ 29, 42.085, 48.426

■ 58, 12.291,
233.528

■ 27, 47.446, 47.991

■ 60, 15.241,
234.191

■ 26, 50.509, 47.692

■ 63, 18.045,
234.848

■ 66, 20.722,
235.494

Harmonies

Complementary

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



42, 9.746, 49.725



44, 8.544, 233.105

Rectangle

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



42, 9.746, 49.725



42, 9.746, 99.725



42, 9.746, 229.725



42, 9.746, 279.725

Sweetspot

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



42, 9.746, 49.735



59, 3.358, 50.553



40, 16.159, 335.170



30, 2.171, 50.537



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 9.746, 49.735



52, 14.530, 49.501



46, 12.764, 96.746



22, 2.165, 50.472



27, 52.682, 47.799



57, 93.196, 46.663

Inverse Universe

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



44, 8.544, 233.105



55, 12.337, 233.677



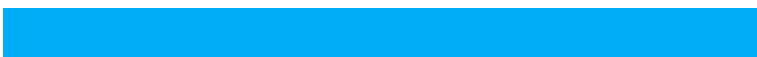
40, 13.046, 282.408



23, 2.069, 231.827



33, 27.405, 253.356



67, 47.985, 256.445

Previews

White Background



This preview shows how the CIELCh color 42, 9.746, 49.725 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 42, 9.746, 49.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

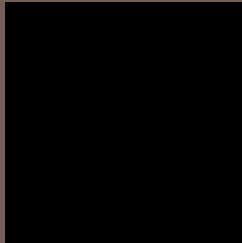
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.746, 49.725

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.746, 49.725.



This preview shows how white text looks on a background with the CIELCh color 42, 9.746, 49.725.

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


42, 9.746, 49.725

Protanopia

42, 6.253, 93.179

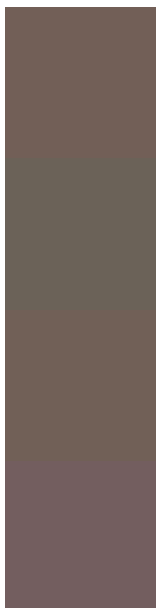
Deuteranopia

42, 9.312, 55.478



Tritanopia
42, 10.606, 357.544

Trichromacy



Original Color
42, 9.746, 49.725

Protanomaly
42, 7.195, 76.089

Deuteranomaly
42, 9.312, 55.478

Tritanomaly
42, 9.072, 16.819

Monochromacy



Original Color
42, 9.746, 49.725

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.475, 50.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.746, 49.725 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(114, 95, 87)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 87)  
}
```

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(114, 95, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.746, 49.725 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(114, 95, 87) }
```

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

```
.border{ border-color:rgb(114, 95, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 87);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.746, 49.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 87) }
```

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

```
.background{ background-color: rgb(114, 95,  
87) }
```

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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