

Converting Colors

CIELCh(49, 20.874, 115.495)

Have a look what the booklet for
CIELCh(49, 20.874, 115.495)
contains.

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Color

CIELCh(49, 21.041, 115.799)

Conversions

Conversions Part 1

Format	Color
Hex	717854
RGB	113, 120, 84
RGB Percent	44%, 47%, 33%
CMY	0.5567, 0.5293, 0.6705
CMYK	0.06, 0.00, 0.30, 0.53
HSL	72°, 18%, 40%
HSV	72°, 30%, 47%
XYZ	15.1359, 17.5941, 10.9919
YIQ	113.8030, 7.3840, -12.6800

Conversions

Conversions Part 2

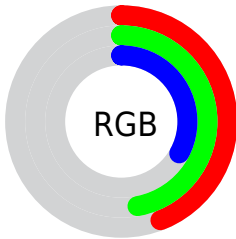
Format	Color
RYB	84, 120, 91
Decimal	7436372
CIELab	49.00, -9.16, 18.94
CIELCh	49, 21.041, 115.799
Yxy	17.5941, 0.3462, 0.4024
Android (android.graphics.Color)	4285626452 (0xFF717854)
YUV	113.8030, -14.6929, -0.7042
Hunter-Lab	41.9453, -8.9927, 13.8246

Details

The CIELCh color $49, 21.041, 115.799$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 22.431, 300.162$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 20.850, 115.854$, and $29, 21.578, 116.660$ is the 20% darker color. If you saturate the color by 10%, you get $49, 27.843, 115.155$, and if you desaturate by 10%, it is $49, 14.091, 116.467$.

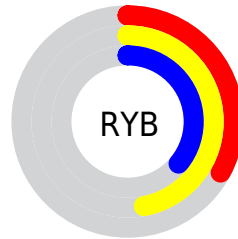
Distribution



Red (44%)

Green (47%)

Blue (33%)



Red (33%)

Yellow (47%)

Blue (36%)

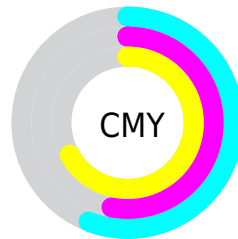


Cyan (6%)

Magenta (0%)

Yellow (30%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.041, 115.799 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, 21.041, 115.799 by changing the saturation by 10% instead.

 49, 21.041,
115.799


 49, 21.041,
115.799

 100, 21.041,
115.799


 39, 21.041,
115.799

 69, 21.041,
115.799


 29, 21.041,
115.799

 79, 21.041,
115.799

 19, 21.041,
115.799

 89, 21.041,
115.799

 9, 21.041, 115.799

 99, 21.041,
115.799

 0, 21.041, 115.799

 49, 21.041,

 49, 21.041,

115.799

115.799

■ 49, 27.843,
115.155

■ 49, 14.091,
116.467

■ 48, 34.391,
114.556

■ 50, 7.058, 117.132

■ 48, 40.538,
114.044

■ 50, 0.010, 297.162

■ 51, 7.082, 298.409

■ 48, 46.070,
113.677

■ 52, 14.134,
299.008

■ 47, 50.709,
113.527

■ 52, 21.148,
299.576

■ 47, 54.161,
113.675

■ 53, 28.112,
300.110

■ 47, 56.800,
114.008

■ 54, 35.016,
300.611

■ 47, 56.801,
114.008

■ 54, 41.853,

Harmonies

Complementary

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



49, 21.041, 115.799



38, 22.431, 300.162

Rectangle

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



49, 21.041, 115.799



49, 21.041, 165.799



49, 21.041, 295.799



49, 21.041, 345.799

Sweetspot

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



49, 21.042, 115.802



64, 7.858, 117.183



41, 13.899, 37.535



33, 5.503, 117.103



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 21.042, 115.802



62, 31.072, 115.353



48, 23.475, 133.861



26, 4.042, 117.192



49, 58.471, 114.051



93, 98.658, 114.609

Inverse Universe

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



38, 22.431, 300.162



45, 33.703, 300.851



39, 24.018, 316.428



23, 4.121, 298.401



14, 77.494, 307.443



33, 131.131, 307.090

Previews

White Background



This preview shows how the CIELCh color 49, 21.041, 115.799 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 CIELCh color 49, 21.041, 115.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

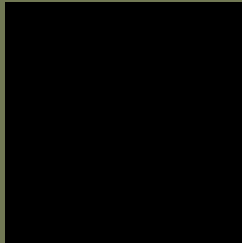
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 21.041, 115.799

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.041, 115.799.



This preview shows how white text looks on a background with the CIELCh color 49, 21.041, 115.799.

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, 21.041, 115.799

Protanopia

49, 20.184, 95.940

Deuteranopia

49, 18.946, 69.923



Tritanopia
49, 5.441, 303.424

Trichromacy



Original Color
49, 21.041, 115.799

Protanomaly
49, 19.813, 102.344

Deuteranomaly
49, 18.105, 87.587

Tritanomaly
49, 4.700, 114.582

Monochromacy



Original Color
49, 21.041, 115.799

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.664, 115.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.041, 115.799 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(113, 120, 84)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 84)  
}
```

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(113, 120, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.041, 115.799 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(113, 120, 84) }
```

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

```
.border{ border-color:rgb(113, 120, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 84);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.041, 115.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 84) }
```

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

```
.background{ background-color: rgb(113,  
120, 84) }
```

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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