

Converting Colors

CIELCh(42, 12.629, 21.066)

Have a look what the booklet for
CIELCh(42, 12.629, 21.066) contains.

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Color

CIELCh(42, 12.708, 21.116)

Conversions

Conversions Part 1

Format	Color
Hex	795C5C
RGB	121, 92, 92
RGB Percent	47%, 36%, 36%
CMY	0.5254, 0.6391, 0.6391
CMYK	0.00, 0.24, 0.24, 0.53
HSL	0°, 14%, 42%
HSV	0°, 24%, 47%
XYZ	13.6524, 12.5000, 11.8253
YIQ	100.6710, 17.2840, 6.1480

Conversions

Conversions Part 2

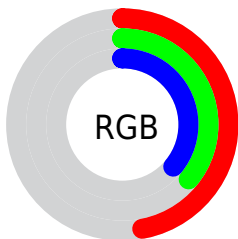
Format	Color
R _Y B	121, 92, 92
Decimal	7953500
CIE Lab	42.00, 11.85, 4.58
CIE LCh	42, 12.708, 21.116
Yxy	12.5000, 0.3595, 0.3291
Android (android.graphics.Color)	4286143580 (0xFF795C5C)
YUV	100.6710, -4.2748, 17.8285
Hunter-Lab	35.3553, 7.0557, 4.9179

Details

The CIELCh color $42, 12.708, 21.116$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $49, 10.913, 198.262$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.884, 20.659$, and $22, 12.914, 22.189$ is the 20% darker color. If you saturate the color by 10%, you get $39, 18.668, 22.224$, and if you desaturate by 10%, it is $46, 7.132, 20.251$.

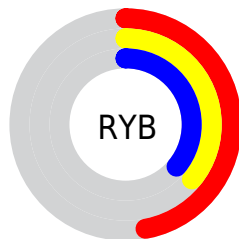
Distribution



Red (47%)

Green (36%)

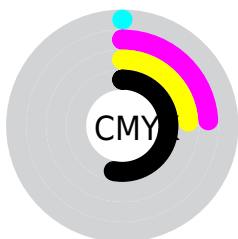
Blue (36%)



Red (47%)

Yellow (36%)

Blue (36%)

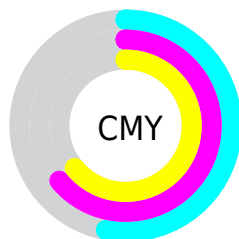


Cyan (0%)

Magenta (24%)

Yellow (24%)

Black (53%)



Cyan (53%)



















Magenta (64%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 12.708, 21.116 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, 12.708, 21.116 by changing the saturation by 10% instead.

 42, 12.708, 21.116	 42, 12.708, 21.116
 100, 12.708, 21.116	 32, 12.708, 21.116
 62, 12.708, 21.116	 22, 12.708, 21.116
 72, 12.708, 21.116	 12, 12.708, 21.116
 82, 12.708, 21.116	 2, 12.708, 21.116
 92, 12.708, 21.116	 0, 12.708, 21.116
 42, 12.708, 21.116	 42, 12.708, 21.116
 39, 18.668, 22.224	 46, 7.132, 20.251
 35, 24.977, 23.643	 49, 1.949, 19.445

■ 32, 31.545, 25.473

■ 53, 2.860, 199.250

■ 29, 38.228, 27.810

■ 57, 7.323, 198.751

■ 27, 44.821, 30.703

■ 61, 11.476,
198.396

■ 26, 51.040, 34.047

■ 65, 15.351,
198.114

■ 24, 55.954, 36.764

■ 24, 58.483, 37.885

■ 68, 18.981,
197.885

■ 72, 22.397,
197.696

■ 76, 25.625,
197.538

Harmonies

Complementary

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



42, 12.708, 21.116



49, 10.913, 198.262

Rectangle

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



42, 12.708, 21.116



42, 12.708, 71.116



42, 12.708, 201.116



42, 12.708, 251.116

Sweetspot

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



42, 12.707, 21.122



62, 4.338, 19.730



43, 20.877, 325.684



32, 2.807, 19.762



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 12.707, 21.122



52, 19.543, 21.724



46, 10.721, 72.578



24, 2.851, 19.876



25, 60.074, 38.175



53, 103.781, 40.001

Inverse Universe

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



49, 10.913, 198.262



62, 16.114, 198.005



44, 10.084, 258.797



25, 2.700, 199.028



47, 29.542, 196.399



90, 49.729, 196.400

Previews

White Background



This preview shows how the CIELCh color 42, 12.708, 21.116 looks on a white background.

Color Contrast Check

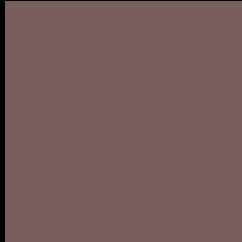
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.708, 21.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

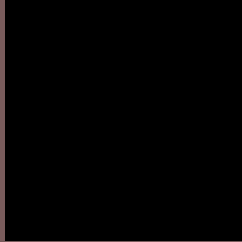
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.708, 21.116

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.708, 21.116.



This preview shows how white text looks on a background with the CIELCh color 42, 12.708, 21.116.

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, 12.708, 21.116

Protanopia

42, 2.194, 74.650

Deuteranopia

42, 7.613, 43.339



Tritanopia
42, 13.902, 3.876

Trichromacy



Original Color
42, 12.708, 21.116

Protanomaly
42, 5.598, 26.219

Deuteranomaly
42, 9.097, 35.696

Tritanomaly
42, 13.689, 8.746

Monochromacy



Original Color
42, 12.708, 21.116

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 4.230, 19.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.708, 21.116 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(121, 92, 92)` looks like.

```
.text, #text, p{  
    color:rgb(121, 92, 92)  
}
```

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(121, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 92, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.708, 21.116 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(121, 92, 92) }
```

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

```
.border{ border-color:rgb(121, 92, 92) }
```

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

Here you see how a box with a 4 pixel rgb(121, 92, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(121, 92,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.708, 21.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 92, 92) }
```

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

```
.background{ background-color: rgb(121, 92,  
92) }
```

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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