

Converting Colors

CIELCh(42, 28.172, 114.004)

Have a look what the booklet for
CIELCh(42, 28.172, 114.004)
contains.

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Color

CIELCh(42, 27.782, 113.789)

Conversions

Conversions Part 1

Format	Color
Hex	5F6738
RGB	95, 103, 56
RGB Percent	37%, 40%, 22%
CMY	0.6262, 0.5949, 0.7793
CMYK	0.08, 0.00, 0.46, 0.59
HSL	70°, 29%, 31%
HSV	70°, 46%, 41%
XYZ	10.3537, 12.5000, 5.6456
YIQ	95.2500, 10.3190, -16.3130

Conversions

Conversions Part 2

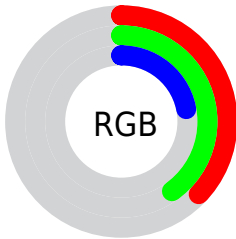
Format	Color
RYB	56, 103, 64
Decimal	6252344
CIELab	42.00, -11.21, 25.42
CIELCh	42, 27.782, 113.789
Yxy	12.5000, 0.3633, 0.4386
Android (android.graphics.Color)	4284442424 (0xFF5F6738)
YUV	95.2500, -19.3502, -0.2193
Hunter-Lab	35.3553, -9.5986, 15.2812

Details

The CIELCh color $42, 27.782, 113.789$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 30.859, 300.974$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 27.766, 114.118$, and $22, 27.891, 113.955$ is the 20% darker color. If you saturate the color by 10%, you get $42, 33.402, 113.207$, and if you desaturate by 10%, it is $42, 21.887, 114.437$.

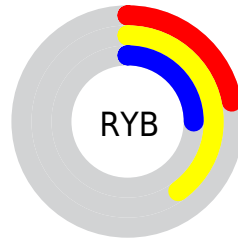
Distribution



Red (37%)

Green (40%)

Blue (22%)



Red (22%)

Yellow (40%)

Blue (25%)

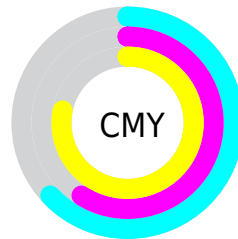


Cyan (8%)

Magenta (0%)

Yellow (46%)

Black (59%)



Cyan (63%)


Magenta (59%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 27.782, 113.789 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, 27.782, 113.789 by changing the saturation by 10% instead.


 42, 27.782,
113.789


 42, 27.782,
113.789


 100, 27.782,
113.789


 32, 27.782,
113.789

 62, 27.782,
113.789


 22, 27.782,
113.789

 72, 27.782,
113.789

 12, 27.782,
113.789

 82, 27.782,
113.789

 2, 27.782, 113.789

 92, 27.782,
113.789

 0, 27.782, 113.789

 42, 27.782,

 42, 27.782,

113.789

113.789

■ 42, 33.402,
113.207

■ 42, 21.887,
114.437

■ 41, 38.593,
112.728

■ 43, 15.820,
115.112

■ 41, 43.144,
112.412

■ 43, 9.652, 115.796

■ 41, 46.802,
112.329

■ 43, 3.433, 116.473

■ 41, 49.535,
112.483

■ 44, 2.805, 297.132

■ 41, 50.773,
112.532

■ 44, 9.038, 297.766

■ 45, 15.250,
298.371

■ 45, 21.426,
298.945

■ 46, 27.558,
299.486

Harmonies

Complementary

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



42, 27.782, 113.789



27, 30.859, 300.974

Rectangle

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



42, 27.782, 113.789



42, 27.782, 163.789



42, 27.782, 293.789



42, 27.782, 343.789

Sweetspot

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



42, 27.783, 113.791



56, 10.863, 115.872



32, 19.980, 36.530



29, 7.556, 115.760



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 27.783, 113.791



54, 41.183, 113.150



40, 31.112, 132.590



21, 3.459, 116.245



45, 54.717, 112.642



90, 95.086, 113.204

Inverse Universe

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



27, 30.859, 300.974



31, 47.323, 302.341



29, 32.264, 316.499



19, 3.526, 297.464



12, 73.066, 307.295



32, 127.414, 306.927

Previews

White Background



This preview shows how the CIELCh color 42, 27.782, 113.789 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 42, 27.782, 113.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

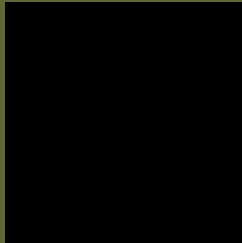
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 27.782, 113.789

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.782, 113.789.



This preview shows how white text looks on a background with the CIELCh color 42, 27.782, 113.789.

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, 27.782, 113.789

Protanopia

42, 26.460, 95.796

Deuteranopia

42, 25.221, 77.019



Tritanopia
42, 4.425, 306.821

Trichromacy



Original Color
42, 27.782, 113.789

Protanomaly
42, 27.067, 103.085

Deuteranomaly
42, 24.793, 90.825

Tritanomaly
42, 7.825, 112.177

Monochromacy



Original Color
42, 27.782, 113.789

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 10.318, 115.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.782, 113.789 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(95, 103, 56)` looks like.

```
.text, #text, p{  
    color:rgb(95, 103, 56)  
}
```

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(95, 103, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 103, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.782, 113.789 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(95, 103, 56) }
```

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

```
.border{ border-color:rgb(95, 103, 56) }
```

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

Here you see how a box with a 4 pixel rgb(95, 103, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 103, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 103, 56);  
box-shadow:4px 4px 4px 4px rgb(95, 103,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.782, 113.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 103, 56) }
```

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

```
.background{ background-color: rgb(95, 103,  
56) }
```

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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