

Converting Colors

CIELCh(42, 42.947, 137.530)

Have a look what the booklet for
CIELCh(42, 42.947, 137.530)
contains.

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Color

CIELCh(42, 42.715, 137.744)

Conversions

Conversions Part 1

Format	Color
Hex	386F31
RGB	56, 111, 49
RGB Percent	22%, 44%, 19%
CMY	0.7793, 0.5636, 0.8069
CMYK	0.49, 0.00, 0.56, 0.56
HSL	113°, 39%, 31%
HSV	113°, 56%, 44%
XYZ	7.9194, 12.5000, 4.9284
YIQ	87.4870, -12.8780, -30.9420

Conversions

Conversions Part 2

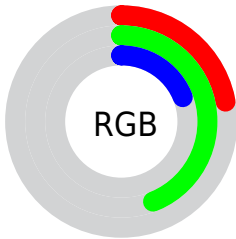
Format	Color
R_{YB}	49, 111, 104
Decimal	3698481
CIE Lab	42.00, -31.62, 28.72
CIE LCh	42, 42.715, 137.744
Yxy	12.5000, 0.3124, 0.4931
Android (android.graphics.Color)	4281888561 (0xFF386F31)
YUV	87.4870, -18.9741, -27.6141
Hunter-Lab	35.3553, -21.8886, 16.4839

Details

The CIELCh color $42, 42.715, 137.744$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 42.991, 323.697$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 42.620, 137.865$, and $22, 42.208, 137.562$ is the 20% darker color. If you saturate the color by 10%, you get $41, 49.315, 136.954$, and if you desaturate by 10%, it is $43, 35.522, 138.536$.

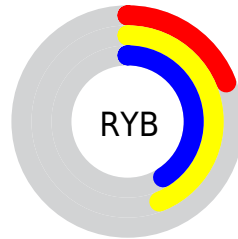
Distribution



Red (22%)

Green (44%)

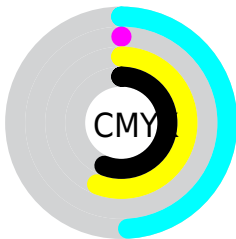
Blue (19%)



Red (19%)

Yellow (44%)

Blue (41%)

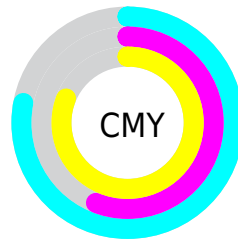


Cyan (49%)

Magenta (0%)

Yellow (56%)

Black (56%)



Cyan (78%)

Magenta (56%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 42.715, 137.744 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, 42.715, 137.744 by changing the saturation by 10% instead.

 42, 42.715,
137.744

 42, 42.715,
137.744


 100, 42.715,
137.744

 32, 42.715,
137.744


 62, 42.715,
137.744


 22, 42.715,
137.744


 72, 42.715,
137.744

 12, 42.715,
137.744

 82, 42.715,
137.744

 2, 42.715, 137.744

 92, 42.715,
137.744

 0, 42.715, 137.744

 42, 42.715,

 42, 42.715,

137.744

137.744

■ 41, 49.315,
136.954

■ 43, 35.522,
138.536

■ 41, 55.052,
136.245

■ 43, 27.949,
139.282

■ 41, 59.627,
135.724

■ 44, 20.168,
139.960

■ 41, 62.937,
135.399

■ 45, 12.306,
140.563

■ 40, 64.234,
135.148

■ 46, 4.461, 141.107

■ 47, 3.295, 321.479

■ 49, 10.913,
321.899

■ 50, 18.358,
322.237

■ 51, 25.610,
322.523

Harmonies

Complementary

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



42, 42.715, 137.744



30, 42.991, 323.697

Rectangle

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



42, 42.715, 137.744



42, 42.715, 187.744



42, 42.715, 317.744



42, 42.715, 7.744

Sweetspot

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



42, 42.716, 137.745



58, 16.556, 140.465



44, 31.914, 99.247



30, 11.165, 140.378



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, 42.716, 137.745



53, 62.041, 136.724



42, 33.318, 152.516



23, 4.411, 140.932



43, 67.785, 135.209



85, 116.334, 135.571

Inverse Universe

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



30, 42.991, 323.697



36, 62.147, 324.034



30, 34.022, 342.666



22, 4.427, 321.726



25, 66.628, 324.015



54, 113.864, 323.781

Previews

White Background



This preview shows how the CIELCh color 42, 42.715, 137.744 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, 42.715, 137.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

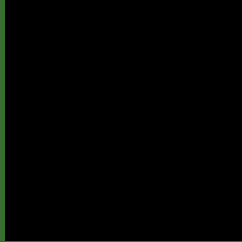
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 42.715, 137.744

Background



This preview shows how black text looks on a background with the CIELCh color 42, 42.715, 137.744.



This preview shows how white text looks on a background with the CIELCh color 42, 42.715, 137.744.

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, 42.715, 137.744

Protanopia

42, 31.863, 96.587

Deuteranopia

42, 27.557, 78.006



Tritanopia
42, 13.624, 218.963

Trichromacy



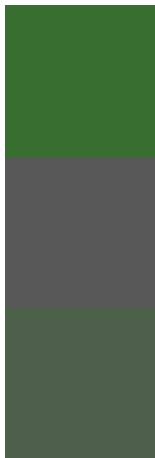
Original Color
42, 42.715, 137.744

Protanomaly
41, 32.982, 116.032

Deuteranomaly
41, 28.200, 108.782

Tritanomaly
42, 19.837, 165.842

Monochromacy



Original Color
42, 42.715, 137.744

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.009, 140.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 42.715, 137.744 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(56, 111, 49)` looks like.

```
.text, #text, p{  
    color:rgb(56, 111, 49)  
}
```

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(56, 111, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 111, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 42.715, 137.744 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(56, 111, 49) }
```

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

```
.border{ border-color:rgb(56, 111, 49) }
```

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

Here you see how a box with a 4 pixel rgb(56, 111, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 111, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 111, 49);  
box-shadow:4px 4px 4px 4px rgb(56, 111,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 42.715, 137.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 111, 49) }
```

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

```
.background{ background-color: rgb(56, 111,  
49) }
```

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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