

Converting Colors

CIELCh(42, 27.591, 148.572)

Have a look what the booklet for
CIELCh(42, 27.591, 148.572)
contains.

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Color

CIELCh(42, 27.557, 148.858)

Conversions

Conversions Part 1

Format	Color
Hex	406D4B
RGB	64, 109, 75
RGB Percent	25%, 43%, 29%
CMY	0.7495, 0.5731, 0.7064
CMYK	0.41, 0.00, 0.31, 0.57
HSL	135°, 26%, 34%
HSV	135°, 41%, 43%
XYZ	8.8255, 12.5000, 8.5813
YIQ	91.6690, -15.9060, -20.1140

Conversions

Conversions Part 2

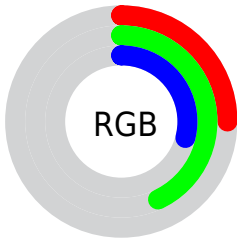
Format	Color
RYB	64, 100, 109
Decimal	4222283
CIELab	42.00, -23.59, 14.25
CIElCh	42, 27.557, 148.858
Yxy	12.5000, 0.2951, 0.4180
Android (android.graphics.Color)	4282412363 (0xFF406D4B)
YUV	91.6690, -8.2178, -24.2657
Hunter-Lab	35.3553, -17.3141, 10.3582

Details

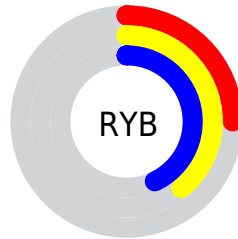
The CIELCh color $42, 27.557, 148.858$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $34, 27.725, 334.839$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 27.612, 148.811$, and $22, 27.436, 149.133$ is the 20% darker color. If you saturate the color by 10%, you get $41, 33.873, 147.742$, and if you desaturate by 10%, it is $43, 20.999, 149.833$.

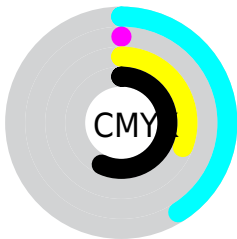
Distribution



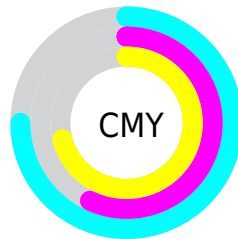
- Red (25%)
- Green (43%)
- Blue (29%)



- Red (25%)
- Yellow (39%)
- Blue (43%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (57%)



- Cyan (75%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 27.557, 148.858 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, 27.557, 148.858 by changing the saturation by 10% instead.

 42, 27.557,
148.858

 42, 27.557,
148.858

 100, 27.557,
148.858

 32, 27.557,
148.858

 62, 27.557,
148.858


 22, 27.557,
148.858

 72, 27.557,
148.858

 12, 27.557,
148.858

 82, 27.557,
148.858

 2, 27.557, 148.858

 92, 27.557,
148.858

 0, 27.557, 148.858

 42, 27.557,

 42, 27.557,

148.858

148.858

■ 41, 33.873,
147.742

■ 43, 20.999,
149.833

■ 41, 39.823,
146.474

■ 44, 14.307,
150.685

■ 40, 45.283,
145.052

■ 45, 7.576, 151.437

■ 40, 50.138,
143.489

■ 46, 0.881, 152.290

■ 47, 5.720, 332.587

■ 40, 54.289,
141.824

■ 48, 12.185,
333.107

■ 40, 57.441,
140.554

■ 50, 18.487,
333.558

■ 51, 24.607,
333.959

■ 53, 30.539,

Harmonies

Complementary

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



42, 27.557, 148.858



34, 27.725, 334.839

Rectangle

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



42, 27.557, 148.858



42, 27.557, 198.858



42, 27.557, 328.858



42, 27.557, 18.858

Sweetspot

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



42, 27.558, 148.858



58, 10.027, 151.365



44, 26.673, 116.763



29, 6.607, 151.302



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 27.558, 148.858



54, 41.215, 147.735



43, 18.683, 174.355



22, 3.701, 151.606



43, 60.812, 140.385



85, 107.411, 139.271

Inverse Universe

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



34, 27.725, 334.839



41, 41.309, 335.587



33, 21.331, 3.071



21, 3.715, 332.646



25, 54.354, 340.366



55, 92.620, 341.282

Previews

White Background



This preview shows how the CIE LCh color 42, 27.557, 148.858 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, 27.557, 148.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

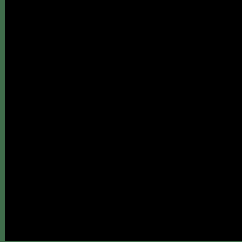
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 27.557, 148.858

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.557, 148.858.



This preview shows how white text looks on a background with the CIELCh color 42, 27.557, 148.858.

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, 27.557, 148.858

Protanopia

42, 17.645, 97.009

Deuteranopia

42, 13.830, 67.328



Tritanopia
42, 12.461, 221.169

Trichromacy



Original Color
42, 27.557, 148.858

Protanomaly
42, 19.231, 123.581

Deuteranomaly
41, 13.904, 115.448

Tritanomaly
42, 15.142, 178.888

Monochromacy



Original Color
42, 27.557, 148.858

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 9.989, 151.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.557, 148.858 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(64, 109, 75)` looks like.

```
.text, #text, p{  
    color:rgb(64, 109, 75)  
}
```

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(64, 109, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 109, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.557, 148.858 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(64, 109, 75) }
```

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

```
.border{ border-color:rgb(64, 109, 75) }
```

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

Here you see how a box with a 4 pixel rgb(64, 109, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 109, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 109, 75);  
box-shadow:4px 4px 4px 4px rgb(64, 109,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.557, 148.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 109, 75) }
```

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

```
.background{ background-color: rgb(64, 109,  
75) }
```

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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