

Converting Colors

CIELCh(42, 52.171, 143.172)

Have a look what the booklet for
CIELCh(42, 52.171, 143.172)
contains.

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Color

CIELCh(42, 51.805, 143.228)

Conversions

Conversions Part 1

Format	Color
Hex	18722C
RGB	24, 114, 44
RGB Percent	9%, 45%, 17%
CMY	0.9073, 0.5514, 0.8260
CMYK	0.79, 0.00, 0.61, 0.55
HSL	134°, 66%, 27%
HSV	134°, 79%, 45%
XYZ	6.8923, 12.5000, 4.4688
YIQ	79.1100, -31.1700, -40.8500

Conversions

Conversions Part 2

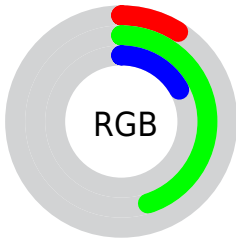
Format	Color
R_{YB}	24, 98, 114
Decimal	1602092
CIE _{Lab}	42.00, -41.50, 31.01
CIE _{LCh}	42, 51.805, 143.228
Yxy	12.5000, 0.2889, 0.5239
Android (android.graphics.Color)	4279792172 (0xFF18722C)
YUV	79.1100, -17.3092, -48.3315
Hunter-Lab	35.3553, -27.0743, 17.2547

Details

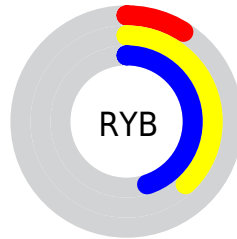
The CIELCh color **42, 51.805, 143.228** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **27, 49.662, 337.219**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 51.796, 143.036**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 56.263, 141.599**, and if you desaturate by 10%, it is **42, 46.597, 144.759**.

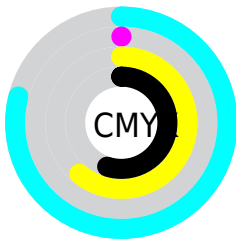
Distribution



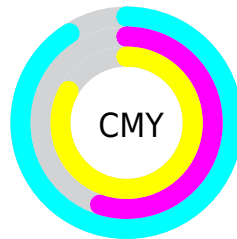
- Red (9%)
- Green (45%)
- Blue (17%)



- Red (9%)
- Yellow (38%)
- Blue (45%)



- Cyan (79%)
- Magenta (0%)
- Yellow (61%)
- Black (55%)





- Cyan (91%)
- Magenta (55%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 51.805, 143.228 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, 51.805, 143.228 by changing the saturation by 10% instead.


 42, 51.805,
143.228


 42, 51.805,
143.228


 100, 51.805,
143.228


 32, 51.805,
143.228

 62, 51.805,
143.228


 22, 51.805,
143.228

 72, 51.805,
143.228

 12, 51.805,
143.228

 82, 51.805,
143.228

 2, 51.805, 143.228

 92, 51.805,
143.228

 0, 51.805, 143.228

 42, 51.805,

 42, 51.805,

143.228

143.228

■ 42, 56.263,
141.599

■ 42, 46.597,
144.759

■ 42, 60.024,
140.098

■ 43, 40.754,
146.150

■ 42, 60.252,
140.017

■ 43, 34.408,
147.389

■ 44, 27.695,
148.477

■ 45, 20.744,
149.427

■ 46, 13.673,
150.256

■ 47, 6.579, 150.989

■ 48, 0.462, 331.126

Harmonies

Complementary

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



42, 51.805, 143.228



27, 49.662, 337.219

Rectangle

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



42, 51.805, 143.228



42, 51.805, 193.228



42, 51.805, 323.228



42, 51.805, 13.228

Sweetspot

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



42, 51.805, 143.228



58, 20.947, 149.834



45, 48.765, 114.596



29, 14.296, 149.601



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, 51.805, 143.228



53, 71.325, 140.269



43, 33.114, 167.869



23, 3.894, 151.015



43, 62.431, 139.919



86, 109.261, 138.880

Inverse Universe

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



27, 49.662, 337.219



33, 64.146, 339.103



25, 41.332, 11.212



22, 3.908, 332.053



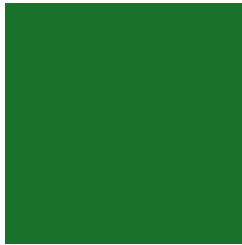
26, 55.793, 339.405



56, 94.427, 340.211

Previews

White Background



This preview shows how the CIELCh color 42, 51.805, 143.228 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, 51.805, 143.228 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, 51.805, 143.228

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.805, 143.228.



This preview shows how white text looks on a background with the CIELCh color 42, 51.805, 143.228.

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, 51.696, 143.101

Protanopia
42, 34.511, 95.986

Deuteranopia
42, 29.623, 79.579



Tritanopia

42, 19.123, 214.108

Trichromacy



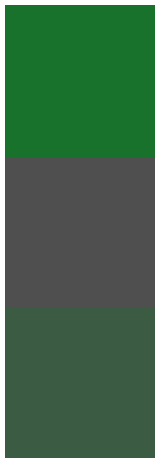
Original Color
42, 51.696, 143.101

Protanomaly
41, 38.024, 123.298

Deuteranomaly
40, 31.696, 118.316

Tritanomaly
42, 27.546, 170.145

Monochromacy



Original Color
42, 51.696, 143.101

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 21.408, 148.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.805, 143.228 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(24, 114, 44)` looks like.

```
.text, #text, p{  
    color:rgb(24, 114, 44)  
}
```

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(24, 114, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 114, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.805, 143.228 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(24, 114, 44) }
```

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

```
.border{ border-color:rgb(24, 114, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 114, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 114, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 114, 44);  
box-shadow:4px 4px 4px 4px rgb(24, 114,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.805, 143.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 114, 44) }
```

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

```
.background{ background-color: rgb(24, 114,  
44) }
```

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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