

Converting Colors

CIELCh(25, 31.844, 143.153)

Have a look what the booklet for
CIELCh(25, 31.844, 143.153)
contains.

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Color

CIELCh(25, 31.686, 143.270)

Conversions

Conversions Part 1

Format	Color
Hex	16441D
RGB	22, 68, 29
RGB Percent	9%, 27%, 11%
CMY	0.9130, 0.7327, 0.8857
CMYK	0.67, 0.00, 0.57, 0.73
HSL	129°, 51%, 18%
HSV	129°, 67%, 27%
XYZ	2.6351, 4.4155, 1.8852
YIQ	49.8000, -14.8970, -21.8810

Conversions

Conversions Part 2

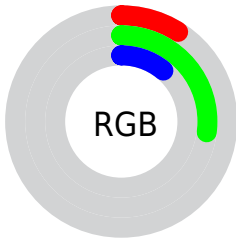
Format	Color
R_{YB}	22, 62, 68
Decimal	1459229
CIE _{Lab}	25.00, -25.40, 18.95
CIE _{LCh}	25, 31.686, 143.270
Y _{xy}	4.4155, 0.2949, 0.4941
Android (android.graphics.Color)	4279649309 (0xFF16441D)
YUV	49.8000, -10.2544, -24.3806
Hunter-Lab	21.0130, -14.3885, 9.3900

Details

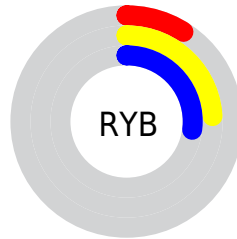
The CIELCh color **25, 31.686, 143.270** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 31.239, 332.620**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 31.697, 143.400**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 35.529, 142.016**, and if you desaturate by 10%, it is **25, 27.458, 144.422**.

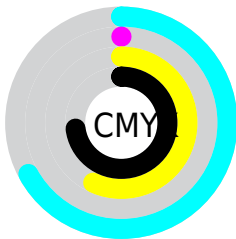
Distribution



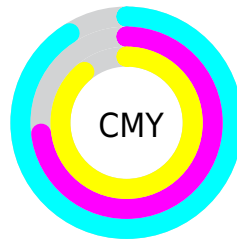
- Red (9%)
- Green (27%)
- Blue (11%)



- Red (9%)
- Yellow (24%)
- Blue (27%)



- Cyan (67%)
- Magenta (0%)
- Yellow (57%)
- Black (73%)





- Cyan (91%)
- Magenta (73%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 31.686, 143.270 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 25, 31.686, 143.270 by changing the saturation by 10% instead.

 25, 31.686,
143.270


 25, 31.686,
143.270

 100, 31.686,
143.270


 15, 31.686,
143.270


 45, 31.686,
143.270


 5, 31.686, 143.270

 55, 31.686,
143.270

 0, 31.686, 143.270

 65, 31.686,
143.270

 75, 31.686,
143.270

 85, 31.686,
143.270

 95, 31.686,

143.270

■ 25, 31.686,
143.270

■ 25, 31.686,
143.270

■ 25, 35.529,
142.016

■ 25, 27.458,
144.422

■ 24, 38.895,
140.705

■ 26, 22.940,
145.457

■ 24, 41.903,
139.727

■ 26, 18.221,
146.374

■ 24, 42.613,
139.558

■ 27, 13.383,
147.181

■ 28, 8.494, 147.889

■ 28, 3.611, 148.524

■ 29, 1.224, 328.909

■ 30, 5.978, 329.468

■ 31, 10.627,
329.890

Harmonies

Complementary

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



25, 31.686, 143.270



16, 31.239, 332.620

Rectangle

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



25, 31.686, 143.270



25, 31.686, 193.270



25, 31.686, 323.270



25, 31.686, 13.270

Sweetspot

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



25, 31.686, 143.270



36, 12.183, 147.660



27, 28.222, 111.873



18, 8.385, 147.567



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 31.686, 143.270



33, 45.520, 141.102



25, 20.880, 165.704



12, 2.631, 148.461



35, 55.383, 138.618



78, 104.980, 137.473

Inverse Universe

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



16, 31.239, 332.620



20, 43.704, 333.598



15, 23.970, 1.150



12, 2.639, 329.305



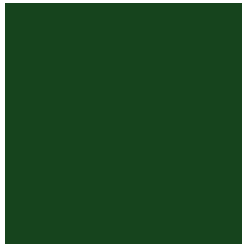
21, 50.890, 334.851



51, 93.068, 335.453

Previews

White Background



This preview shows how the CIELCh color 25, 31.686, 143.270 looks on a white background.

Color Contrast Check

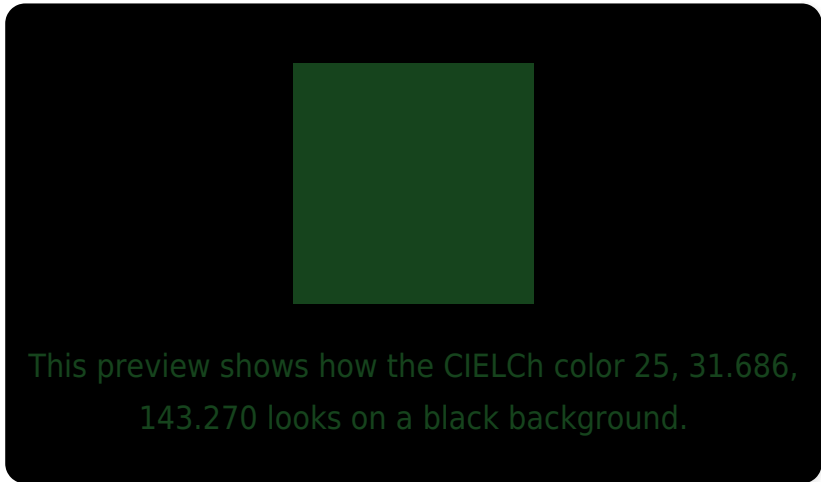
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25, 31.686, 143.270

Background



This preview shows how black text looks on a background with the CIELCh color 25, 31.686, 143.270.



This preview shows how white text looks on a background with the CIELCh color 25, 31.686, 143.270.

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

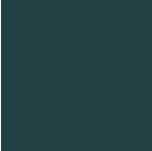
25, 31.686, 143.270

Protanopia

25, 21.429, 95.662

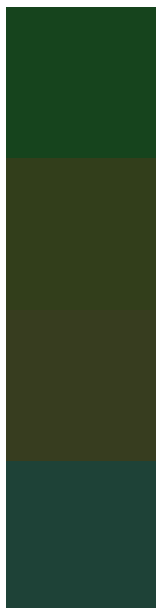
Deuteranopia

25, 18.490, 79.545



Tritanopia
25, 11.620, 214.296

Trichromacy



Original Color
25, 31.686, 143.270

Protanomaly
24, 23.014, 120.800

Deuteranomaly
24, 19.458, 115.107

Tritanomaly
25, 16.390, 170.427

Monochromacy



Original Color
25, 31.686, 143.270

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 12.822, 146.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 31.686, 143.270 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(22, 68, 29)` looks like.

```
.text, #text, p{  
    color:rgb(22, 68, 29)  
}
```

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(22, 68, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 68, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 31.686, 143.270 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(22, 68, 29) }
```

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

```
.border{ border-color:rgb(22, 68, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 68, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 68, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 68, 29);  
box-shadow:4px 4px 4px 4px rgb(22, 68, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 31.686, 143.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 68, 29) }
```

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

```
.background{ background-color: rgb(22, 68,  
29) }
```

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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