

Converting Colors

CIELCh(25, 27.839, 149.196)

Have a look what the booklet for
CIELCh(25, 27.839, 149.196)
contains.

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Color

CIELCh(25, 27.798, 149.164)

Conversions

Conversions Part 1

Format	Color
Hex	164425
RGB	22, 68, 37
RGB Percent	9%, 27%, 15%
CMY	0.9144, 0.7340, 0.8555
CMYK	0.68, 0.00, 0.46, 0.73
HSL	140°, 51%, 18%
HSV	140°, 68%, 27%
XYZ	2.7156, 4.4155, 2.4471
YIQ	50.7120, -17.4650, -19.3930

Conversions

Conversions Part 2

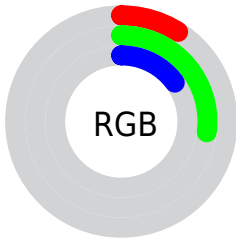
Format	Color
R_{YB}	22, 57, 68
Decimal	1459237
CIE Lab	25.00, -23.87, 14.25
CIE LCh	25, 27.798, 149.164
Yxy	4.4155, 0.2835, 0.4610
Android (android.graphics.Color)	4279649317 (0xFF164425)
YUV	50.7120, -6.7600, -25.1804
Hunter-Lab	21.0130, -13.7041, 7.8044

Details

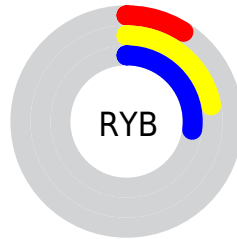
The CIELCh color **25, 27.798, 149.164** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 27.876, 340.526**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 27.962, 148.842**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 31.204, 147.745**, and if you desaturate by 10%, it is **25, 24.100, 150.433**.

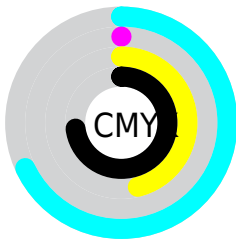
Distribution



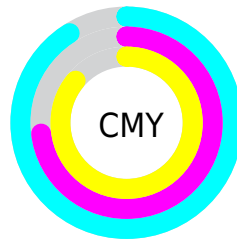
- Red (9%)
- Green (27%)
- Blue (15%)



- Red (9%)
- Yellow (22%)
- Blue (27%)



- Cyan (68%)
- Magenta (0%)
- Yellow (46%)
- Black (73%)




- Cyan (91%)
- Magenta (73%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 27.798, 149.164 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, 27.798, 149.164 by changing the saturation by 10% instead.

 25, 27.798,
149.164


 25, 27.798,
149.164

 100, 27.798,
149.164


 15, 27.798,
149.164


 45, 27.798,
149.164


 5, 27.798, 149.164

 55, 27.798,
149.164

 0, 27.798, 149.164

 65, 27.798,
149.164

 75, 27.798,
149.164

 85, 27.798,
149.164

 95, 27.798,

149.164

■ 25, 27.798,
149.164

■ 25, 27.798,
149.164

■ 25, 31.204,
147.745

■ 25, 24.100,
150.433

■ 24, 34.279,
146.197

■ 26, 20.170,
151.559

■ 24, 37.211,
144.880

■ 26, 16.070,
152.555

■ 24, 37.836,
144.641

■ 27, 11.861,
153.437

■ 27, 7.597, 154.223

■ 28, 3.325, 154.942

■ 29, 0.918, 335.336

■ 30, 5.103, 336.034

■ 31, 9.207, 336.549

Harmonies

Complementary

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



25, 27.798, 149.164



16, 27.876, 340.526

Rectangle

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



25, 27.798, 149.164



25, 27.798, 199.164



25, 27.798, 329.164



25, 27.798, 19.164

Sweetspot

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



25, 27.798, 149.164



36, 10.705, 153.994



27, 29.047, 119.314



18, 7.367, 153.892



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, 27.798, 149.164



33, 40.077, 146.721



26, 18.016, 178.490



12, 2.316, 154.896



35, 49.597, 143.397



78, 95.036, 141.713

Inverse Universe

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



16, 27.876, 340.526



20, 38.986, 342.413



15, 23.760, 13.998



12, 2.329, 335.861



20, 45.239, 345.404



50, 82.245, 347.216

Previews

White Background



This preview shows how the CIELCh color 25, 27.798, 149.164 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



This preview shows how the CIELCh color 25, 27.798, 149.164 looks on a 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, 27.798, 149.164

Background



This preview shows how black text looks on a background with the CIELCh color 25, 27.798, 149.164.



This preview shows how white text looks on a background with the CIELCh color 25, 27.798, 149.164.

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, 27.798, 149.164

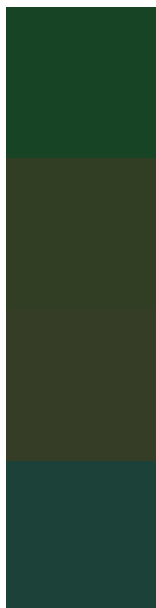
Protanopia
25, 16.512, 95.868

Deuteranopia
25, 13.354, 75.403



Tritanopia
25, 12.182, 213.428

Trichromacy



Original Color
25, 27.798, 149.164

Protanomaly
24, 18.566, 126.628

Deuteranomaly
24, 14.822, 122.514

Tritanomaly
25, 15.619, 176.947

Monochromacy



Original Color
25, 27.798, 149.164

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 10.765, 154.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 27.798, 149.164 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(22, 68, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 68, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 27.798, 149.164 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, 37) }
```

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

```
.border{ border-color:rgb(22, 68, 37) }
```

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, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 68, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 68, 37);  
box-shadow:4px 4px 4px 4px rgb(22, 68, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 27.798, 149.164 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, 37) }
```

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

```
.background{ background-color: rgb(22, 68,  
37) }
```

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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