

Converting Colors

CIELCh(25, 18.311, 243.465)

Have a look what the booklet for
CIELCh(25, 18.311, 243.465)
contains.

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Color

CIELCh(25, 18.449, 243.968)

Conversions

Conversions Part 1

Format	Color
Hex	104054
RGB	16, 64, 84
RGB Percent	6%, 25%, 33%
CMY	0.9373, 0.7491, 0.6706
CMYK	0.81, 0.24, 0.00, 0.67
HSL	198°, 68%, 20%
HSV	198°, 81%, 33%
XYZ	3.6460, 4.4155, 9.0452
YIQ	51.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

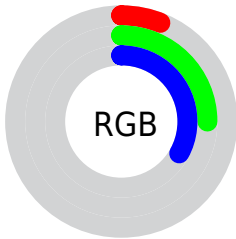
Format	Color
R _Y B	16, 44, 84
Decimal	1065044
CIE Lab	25.00, -8.10, -16.58
CIE LCh	25, 18.449, 243.968
Yxy	4.4155, 0.2131, 0.2581
Android (android.graphics.Color)	4279255124 (0xFF104054)
YUV	51.9280, 15.8115, -31.5089
Hunter-Lab	21.0130, -5.8013, -10.8128

Details

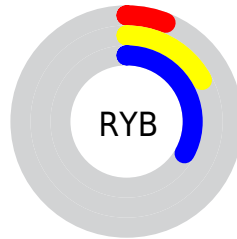
The CIELCh color **25, 18.449, 243.968** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 31.232, 48.258**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.583, 243.640**, and **7, 14.235, 264.798** is the 20% darker color. If you saturate the color by 10%, you get **24, 19.741, 247.508**, and if you desaturate by 10%, it is **26, 16.946, 240.957**.

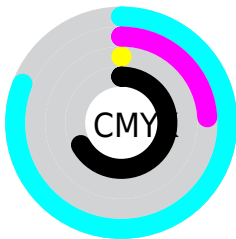
Distribution



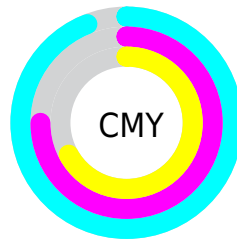
- Red (6%)
- Green (25%)
- Blue (33%)



- Red (6%)
- Yellow (17%)
- Blue (33%)



- Cyan (81%)
- Magenta (24%)
- Yellow (0%)
- Black (67%)





- Cyan (94%)
- Magenta (75%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 18.449, 243.968 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, 18.449, 243.968 by changing the saturation by 10% instead.

 25, 18.449,
243.968


 25, 18.449,
243.968

 100, 18.449,
243.968


 15, 18.449,
243.968


 45, 18.449,
243.968


 5, 18.449, 243.968

 55, 18.449,
243.968

 0, 18.449, 243.968

 65, 18.449,
243.968

 75, 18.449,
243.968

 85, 18.449,
243.968

 95, 18.449,

243.968

■ 25, 18.449,
243.968

■ 25, 18.449,
243.968

■ 24, 19.741,
247.508

■ 26, 16.946,
240.957

■ 23, 20.932,
250.545

■ 27, 15.197,
238.471

■ 29, 13.201,
236.445

■ 30, 10.974,
234.808

■ 31, 8.539, 233.495

■ 33, 5.927, 232.450

■ 34, 3.166, 231.643

■ 36, 0.285, 231.836

■ 37, 2.691, 50.240

Harmonies

Complementary

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



25, 18.449, 243.968



21, 31.232, 48.258

Rectangle

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



25, 18.449, 243.968



25, 18.449, 293.968



25, 18.449, 63.968



25, 18.449, 113.968

Sweetspot

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



25, 18.448, 243.968



42, 8.379, 232.825



31, 39.504, 145.276



21, 5.770, 233.059



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



25, 18.448, 243.968



31, 25.082, 251.245



14, 37.596, 294.490



16, 1.583, 231.498



29, 24.640, 252.097



64, 45.481, 255.816

Inverse Universe

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



18, 37.960, 340.488



23, 49.702, 343.049



30, 32.593, 90.185



15, 2.848, 334.545



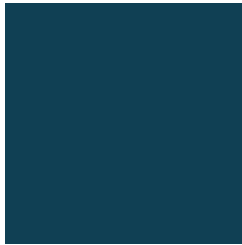
22, 48.590, 343.364



52, 86.042, 344.766

Previews

White Background



This preview shows how the CIELCh color 25, 18.449, 243.968 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 CIE LCh color 25, 18.449, 243.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

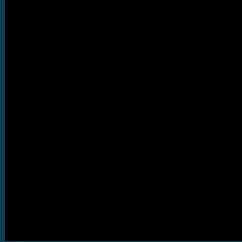
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

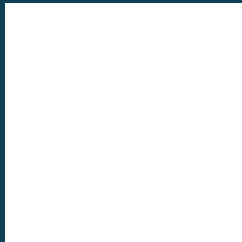
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 18.449, 243.968

Background



This preview shows how black text looks on a background with the CIELCh color 25, 18.449, 243.968.



This preview shows how white text looks on a background with the CIELCh color 25, 18.449, 243.968.

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, 18.449, 243.968

Protanopia

25, 13.946, 283.459

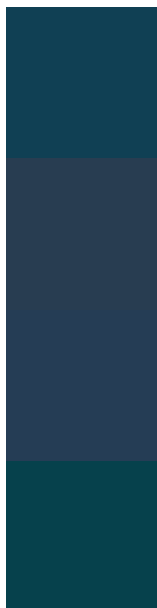
Deuteranopia

25, 17.358, 281.548



Tritanopia
25, 18.379, 207.094

Trichromacy



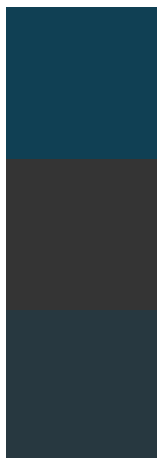
Original Color
25, 18.449, 243.968

Protanomaly
25, 14.816, 262.444

Deuteranomaly
25, 17.366, 265.400

Tritanomaly
25, 17.574, 221.763

Monochromacy



Original Color
25, 18.449, 243.968

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 8.479, 237.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 18.449, 243.968 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(16, 64, 84)` looks like.

```
.text, #text, p{  
    color:rgb(16, 64, 84)  
}
```

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(16, 64, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 64, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 18.449, 243.968 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(16, 64, 84) }
```

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

```
.border{ border-color:rgb(16, 64, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 64, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 64, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 64, 84);  
box-shadow:4px 4px 4px 4px rgb(16, 64, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 18.449, 243.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 64, 84) }
```

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

```
.background{ background-color: rgb(16, 64,  
84) }
```

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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