

Converting Colors

CIELCh(24, 14.168, 197.745)

Have a look what the booklet for
CIELCh(24, 14.168, 197.745)
contains.

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Color

CIELCh(24, 14.238, 197.048)

Conversions

Conversions Part 1

Format	Color
Hex	183F3F
RGB	24, 63, 63
RGB Percent	9%, 25%, 25%
CMY	0.9061, 0.7532, 0.7532
CMYK	0.62, 0.00, 0.00, 0.75
HSL	180°, 45%, 17%
HSV	180°, 62%, 25%
XYZ	3.0450, 4.1002, 5.3251
YIQ	51.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

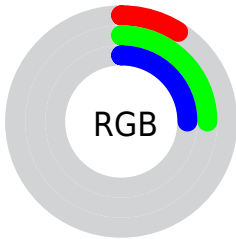
Format	Color
RYB	24, 44, 63
Decimal	1589055
CIELab	24.00, -13.61, -4.17
CIELCh	24, 14.238, 197.048
Yxy	4.1002, 0.2442, 0.3288
Android (android.graphics.Color)	4279779135 (0xFF183F3F)
YUV	51.3390, 5.7489, -23.9763
Hunter-Lab	20.2490, -8.5930, -1.4179

Details

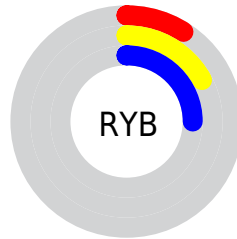
The CIELCh color **24, 14.238, 197.048** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 21.220, 26.022**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 14.334, 197.786**, and **6, 7.371, 194.001** is the 20% darker color. If you saturate the color by 10%, you get **24, 15.656, 196.820**, and if you desaturate by 10%, it is **24, 12.527, 197.323**.

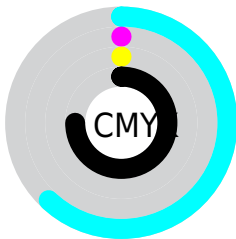
Distribution



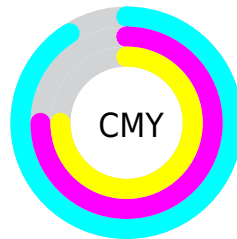
- Red (9%)
- Green (25%)
- Blue (25%)



- Red (9%)
- Yellow (17%)
- Blue (25%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (75%)





- Cyan (91%)
- Magenta (75%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 14.238, 197.048 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 24, 14.238, 197.048 by changing the saturation by 10% instead.

 24, 14.238,
197.048


 24, 14.238,
197.048

 100, 14.238,
197.048


 14, 14.238,
197.048


 44, 14.238,
197.048


 4, 14.238, 197.048

 54, 14.238,
197.048

 0, 14.238, 197.048

 64, 14.238,
197.048

 74, 14.238,
197.048

 84, 14.238,
197.048

 94, 14.238,

197.048

■ 24, 14.238,
197.048

■ 24, 14.238,
197.048

■ 24, 15.656,
196.820

■ 24, 12.527,
197.323

■ 24, 16.768,
196.644

■ 25, 10.547,
197.649

■ 23, 17.675,
196.501

■ 25, 8.325, 198.021

■ 23, 18.416,
196.386

■ 25, 5.896, 198.439

■ 26, 3.294, 198.913

■ 27, 0.553, 199.750

■ 27, 2.295, 19.699

■ 28, 5.223, 20.274

■ 28, 8.205, 20.820

Harmonies

Complementary

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



24, 14.238, 197.048



14, 21.220, 26.022

Rectangle

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



24, 14.238, 197.048



24, 14.238, 247.048



24, 14.238, 17.048



24, 14.238, 67.048

Sweetspot

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



24, 14.238, 197.046



33, 6.366, 198.535



23, 30.333, 139.594



16, 4.294, 198.485



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 14.238, 197.046



31, 19.364, 196.721



17, 14.496, 264.200



11, 1.504, 199.109



36, 24.215, 196.386



80, 45.111, 196.386

Inverse Universe

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



14, 21.220, 26.022



17, 32.276, 29.625



19, 17.276, 66.991



10, 1.574, 19.760



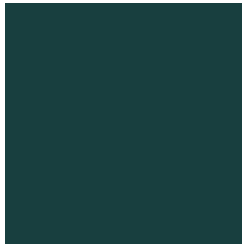
17, 47.180, 34.873



46, 94.133, 40.000

Previews

White Background



This preview shows how the CIE LCh color 24, 14.238, 197.048 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 24, 14.238, 197.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

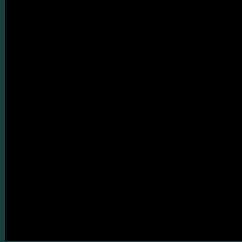
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 14.238, 197.048

Background



This preview shows how black text looks on a background with the CIELCh color 24, 14.238, 197.048.



This preview shows how white text looks on a background with the CIELCh color 24, 14.238, 197.048.

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

24, 14.238, 197.048

Protanopia

24, 1.329, 290.483

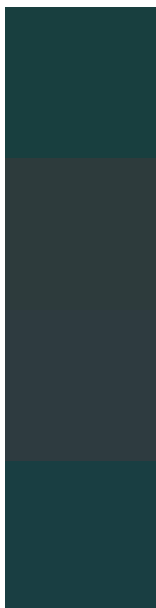
Deuteranopia

24, 6.136, 303.737



Tritanopia
24, 13.201, 212.076

Trichromacy



Original Color
24, 14.238, 197.048

Protanomaly
24, 5.983, 204.813

Deuteranomaly
24, 6.253, 230.833

Tritanomaly
24, 13.432, 208.804

Monochromacy



Original Color
24, 14.238, 197.048

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 6.052, 198.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 14.238, 197.048 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, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(24, 63, 63)  
}
```

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, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 14.238, 197.048 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, 63, 63) }
```

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

```
.border{ border-color:rgb(24, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(24, 63, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 14.238, 197.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 63, 63) }
```

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

```
.background{ background-color: rgb(24, 63,  
63) }
```

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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