

Converting Colors

CIELCh(24, 15.384, 196.927)

Have a look what the booklet for
CIELCh(24, 15.384, 196.927)
contains.

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Color

CIELCh(24, 15.390, 196.864)

Conversions

Conversions Part 1

Format	Color
Hex	133F3F
RGB	19, 63, 63
RGB Percent	7%, 25%, 25%
CMY	0.9238, 0.7515, 0.7516
CMYK	0.69, 0.00, 0.00, 0.75
HSL	180°, 53%, 16%
HSV	180°, 69%, 25%
XYZ	2.9813, 4.1002, 5.3888
YIQ	49.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

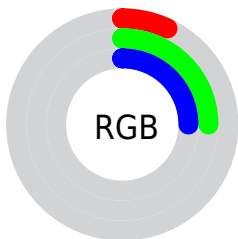
Format	Color
RYB	19, 41, 63
Decimal	1261375
CIELab	24.00, -14.73, -4.46
CIELCh	24, 15.390, 196.864
Yxy	4.1002, 0.2391, 0.3288
Android (android.graphics.Color)	4279451455 (0xFF133F3F)
YUV	49.8440, 6.4859, -27.0502
Hunter-Lab	20.2490, -9.1548, -1.6045

Details

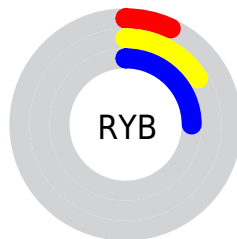
The CIELCh color **24, 15.390, 196.864** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 24.169, 27.389**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 15.269, 197.680**, and **6, 7.371, 194.001** is the 20% darker color. If you saturate the color by 10%, you get **24, 16.587, 196.673**, and if you desaturate by 10%, it is **24, 13.888, 197.103**.

Distribution



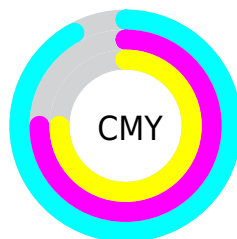
- Red (7%)
- Green (25%)
- Blue (25%)



- Red (7%)
- Yellow (16%)
- Blue (25%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (75%)





- Cyan (92%)
- Magenta (75%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 15.390, 196.864 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, 15.390, 196.864 by changing the saturation by 10% instead.

 24, 15.390,
196.864


 24, 15.390,
196.864

 100, 15.390,
196.864


 14, 15.390,
196.864


 44, 15.390,
196.864


 4, 15.390, 196.864

 54, 15.390,
196.864

 0, 15.390, 196.864

 64, 15.390,
196.864

 74, 15.390,
196.864

 84, 15.390,
196.864

 94, 15.390,

196.864

■ 24, 15.390,
196.864

■ 24, 15.390,
196.864

■ 24, 16.587,
196.673

■ 24, 13.888,
197.103

■ 24, 17.518,
196.526

■ 25, 12.095,
197.393

■ 24, 18.435,
196.383

■ 25, 10.038,
197.732

■ 24, 18.496,
196.374

■ 25, 7.747, 198.117

■ 26, 5.256, 198.548

■ 26, 2.600, 199.046

■ 27, 0.187, 18.126

■ 27, 3.075, 19.853

■ 28, 6.035, 20.412

Harmonies

Complementary

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



24, 15.390, 196.864



13, 24.169, 27.389

Rectangle

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



24, 15.390, 196.864



24, 15.390, 246.864



24, 15.390, 16.864



24, 15.390, 66.864

Sweetspot

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



24, 15.390, 196.862



33, 6.997, 198.433



23, 33.566, 138.886



16, 4.644, 198.397



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, 15.390, 196.862



31, 20.438, 196.568



16, 16.189, 266.273



11, 1.504, 199.101



36, 24.216, 196.373



80, 45.114, 196.372

Inverse Universe

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



13, 24.169, 27.389



16, 36.075, 31.398



19, 19.704, 66.173



10, 1.574, 19.753



17, 47.178, 34.869



46, 94.129, 39.997

Previews

White Background



This preview shows how the CIE LCh color 24, 15.390, 196.864 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 24, 15.390, 196.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

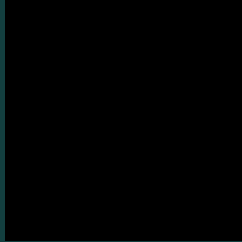
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 15.390, 196.864

Background



This preview shows how black text looks on a background with the CIELCh color 24, 15.390, 196.864.



This preview shows how white text looks on a background with the CIELCh color 24, 15.390, 196.864.

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, 15.390, 196.864

Protanopia

24, 1.329, 290.483

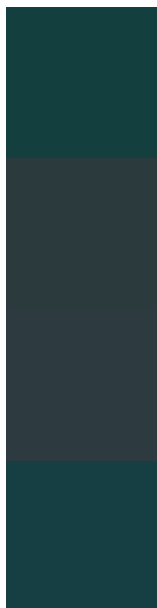
Deuteranopia

24, 6.136, 303.737



Tritanopia
24, 14.385, 210.652

Trichromacy



Original Color
24, 15.390, 196.864

Protanomaly
24, 6.792, 209.655

Deuteranomaly
24, 6.583, 228.999

Tritanomaly
24, 14.651, 204.952

Monochromacy



Original Color
24, 15.390, 196.864

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 6.843, 198.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 15.390, 196.864 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(19, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 15.390, 196.864 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(19, 63, 63) }
```

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

```
.border{ border-color:rgb(19, 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(19, 63, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(19, 63, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 15.390, 196.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 63, 63) }
```

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

```
.background{ background-color: rgb(19, 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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