

Converting Colors

CIELCh(24, 16.442, 202.620)

Have a look what the booklet for
CIELCh(24, 16.442, 202.620)
contains.

CIELCh(24, 16.631, 201.365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 16.631, 201.365)

Conversions

Conversions Part 1

Format	Color
Hex	0C4042
RGB	12, 64, 66
RGB Percent	5%, 25%, 26%
CMY	0.9546, 0.7501, 0.7423
CMYK	0.82, 0.03, 0.00, 0.74
HSL	182°, 70%, 15%
HSV	182°, 82%, 26%
XYZ	2.9384, 4.1002, 5.7475
YIQ	48.6800, -31.6340, -10.4020

Conversions

Conversions Part 2

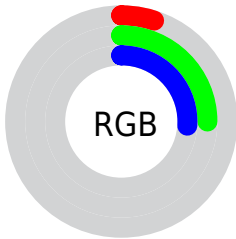
Format	Color
R_{YB}	12, 38, 66
Decimal	802882
CIE Lab	24.00, -15.49, -6.06
CIE LCh	24, 16.631, 201.365
Yxy	4.1002, 0.2298, 0.3207
Android (android.graphics.Color)	4278992962 (0xFF0C4042)
YUV	48.6800, 8.5388, -32.1684
Hunter-Lab	20.2490, -9.5330, -2.6546

Details

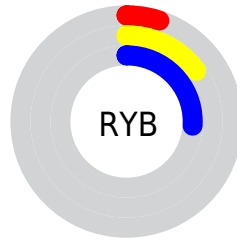
The CIELCh color **24, 16.631, 201.365** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 28.783, 30.166**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 16.608, 201.743**, and **6, 7.827, 199.422** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.463, 201.558**, and if you desaturate by 10%, it is **24, 15.580, 201.231**.

Distribution



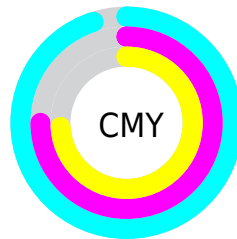
- Red (5%)
- Green (25%)
- Blue (26%)



- Red (5%)
- Yellow (15%)
- Blue (26%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)
- Black (74%)





- Cyan (95%)
- Magenta (75%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 16.631, 201.365 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, 16.631, 201.365 by changing the saturation by 10% instead.

 24, 16.631,
201.365

 24, 16.631,
201.365

 100, 16.631,
201.365


 14, 16.631,
201.365


 44, 16.631,
201.365


 4, 16.631, 201.365

 54, 16.631,
201.365

 0, 16.631, 201.365

 64, 16.631,
201.365

 74, 16.631,
201.365

 84, 16.631,
201.365

 94, 16.631,

201.365

■ 24, 16.631,
201.365

■ 24, 16.631,
201.365

■ 24, 17.463,
201.558

■ 24, 15.580,
201.231

■ 24, 18.109,
201.682

■ 25, 14.212,
201.197

■ 25, 12.542,
201.252

■ 25, 10.592,
201.389

■ 26, 8.395, 201.599

■ 26, 5.985, 201.876

■ 27, 3.397, 202.225

■ 28, 0.666, 202.889

■ 28, 2.177, 22.790

Harmonies

Complementary

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



24, 16.631, 201.365



12, 28.783, 30.166

Rectangle

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



24, 16.631, 201.365



24, 16.631, 251.365



24, 16.631, 21.365



24, 16.631, 71.365

Sweetspot

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



24, 16.631, 201.364



35, 8.327, 201.765



24, 38.811, 138.538



16, 5.568, 201.726



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 16.631, 201.364



32, 21.714, 201.904



14, 21.208, 275.961



12, 1.552, 202.392



35, 23.522, 202.017



79, 43.235, 202.478

Inverse Universe

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



14, 37.752, 329.068



19, 51.009, 329.615



19, 24.224, 68.829



12, 2.857, 325.831



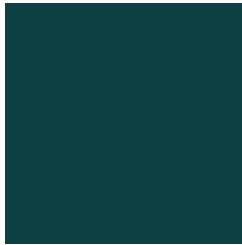
21, 55.361, 329.662



53, 101.894, 329.777

Previews

White Background



This preview shows how the CIE LCh color 24, 16.631, 201.365 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, 16.631, 201.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

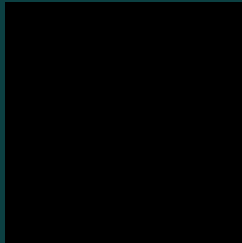
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.631, 201.365

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.631, 201.365.



This preview shows how white text looks on a background with the CIELCh color 24, 16.631, 201.365.

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, 16.631, 201.365

Protanopia

24, 2.653, 290.755

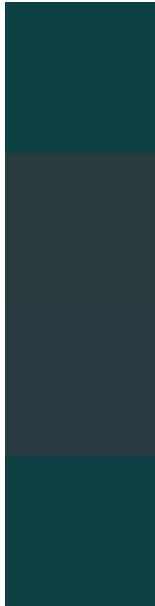
Deuteranopia

24, 7.368, 298.400



Tritanopia
24, 15.890, 209.137

Trichromacy



Original Color
24, 16.631, 201.365

Protanomaly
23, 8.072, 217.564

Deuteranomaly
24, 8.726, 236.226

Tritanomaly
24, 16.087, 206.482

Monochromacy



Original Color
24, 16.631, 201.365

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 7.998, 197.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.631, 201.365 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(12, 64, 66)` looks like.

```
.text, #text, p{  
    color:rgb(12, 64, 66)  
}
```

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(12, 64, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 64, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.631, 201.365 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(12, 64, 66) }
```

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

```
.border{ border-color:rgb(12, 64, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 64, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 64, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 64, 66);  
box-shadow:4px 4px 4px 4px rgb(12, 64, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.631, 201.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 64, 66) }
```

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

```
.background{ background-color: rgb(12, 64,  
66) }
```

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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