

Converting Colors

CIELCh(24, 16.927, 160.294)

Have a look what the booklet for
CIELCh(24, 16.927, 160.294)
contains.

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Color

CIELCh(24, 16.698, 160.173)

Conversions

Conversions Part 1	
Format	Color
Hex	203F30
RGB	32, 63, 48
RGB Percent	13%, 25%, 19%
CMY	0.8738, 0.7522, 0.8111
CMYK	0.49, 0.00, 0.24, 0.75
HSL	151°, 33%, 19%
HSV	151°, 49%, 25%
XYZ	2.9261, 4.1002, 3.4524
YIQ	52.0210, -13.6610, -11.2370

Conversions

Conversions Part 2

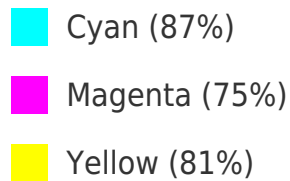
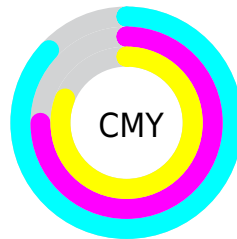
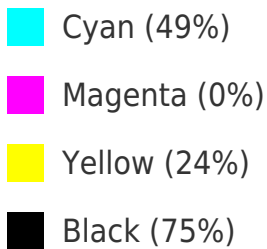
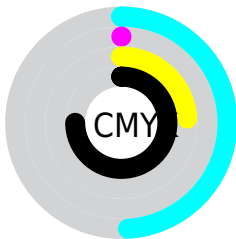
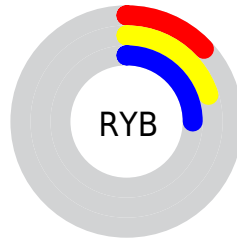
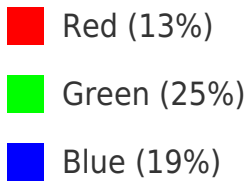
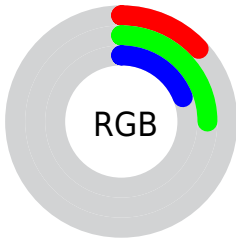
Format	Color
RYB	32, 52, 63
Decimal	2113328
CIELab	24.00, -15.71, 5.66
CIELCh	24, 16.698, 160.173
Yxy	4.1002, 0.2792, 0.3913
Android (android.graphics.Color)	4280303408 (0xFF203F30)
YUV	52.0210, -1.9824, -17.5584
Hunter-Lab	20.2490, -9.6418, 4.0655

Details

The CIELCh color **24, 16.698, 160.173** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 17.631, 348.959**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 16.823, 160.286**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 19.781, 158.985**, and if you desaturate by 10%, it is **24, 13.451, 161.239**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 16.698, 160.173 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, 16.698, 160.173 by changing the saturation by 10% instead.

 24, 16.698,
160.173


 24, 16.698,
160.173

 100, 16.698,
160.173


 14, 16.698,
160.173


 44, 16.698,
160.173


 4, 16.698, 160.173

 54, 16.698,
160.173

 0, 16.698, 160.173

 64, 16.698,
160.173

 74, 16.698,
160.173

 84, 16.698,
160.173

 94, 16.698,

160.173

■ 24, 16.698,
160.173

■ 24, 16.698,
160.173

■ 24, 19.781,
158.985

■ 24, 13.451,
161.239

■ 23, 22.654,
157.661

■ 25, 10.085,
162.204

■ 23, 25.281,
156.186

■ 26, 6.642, 163.084

■ 26, 3.160, 163.907

■ 23, 27.673,
154.610

■ 27, 0.326, 344.021

■ 23, 30.063,
153.282

■ 28, 3.792, 345.203

■ 23, 30.287,
153.172

■ 28, 7.215, 345.851

■ 29, 10.581,
346.443

■ 30, 13.878,
346.995

Harmonies

Complementary

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



24, 16.698, 160.173



17, 17.631, 348.959

Rectangle

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



24, 16.698, 160.173



24, 16.698, 210.173



24, 16.698, 340.173



24, 16.698, 30.173

Sweetspot

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



24, 16.698, 160.172



33, 6.467, 163.370



25, 21.271, 127.065



16, 4.337, 163.310



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, 16.698, 160.172



31, 24.333, 158.674



24, 12.017, 197.412



11, 1.883, 163.965



35, 40.947, 151.608



78, 79.320, 149.657

Inverse Universe

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



17, 17.631, 348.959



21, 25.869, 350.604



17, 16.321, 23.776



10, 1.904, 345.067



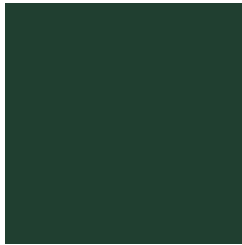
18, 41.076, 0.413



48, 76.079, 4.106

Previews

White Background



This preview shows how the CIELCh color 24, 16.698, 160.173 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, 16.698, 160.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

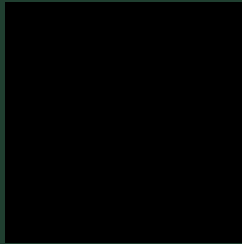
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.698, 160.173

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.698, 160.173.

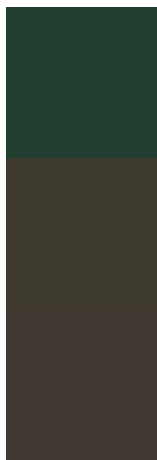


This preview shows how white text looks on a background with the CIELCh color 24, 16.698, 160.173.

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, 16.698, 160.173

Protanopia

24, 8.147, 94.486

Deuteranopia

24, 5.877, 54.111



Tritanopia
24, 9.823, 217.826

Trichromacy

	Original Color 24, 16.698, 160.173
	Protanomaly 24, 9.389, 132.166
	Deuteranomaly 24, 6.411, 130.417
	Tritanomaly 24, 11.024, 190.565

Monochromacy

	Original Color 24, 16.698, 160.173
	Achromatopsia 22, 0.004, 296.813
	Achromatomaly 22, 6.049, 164.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.698, 160.173 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(32, 63, 48)` looks like.

```
.text, #text, p{  
    color:rgb(32, 63, 48)  
}
```

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(32, 63, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 63, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.698, 160.173 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(32, 63, 48) }
```

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

```
.border{ border-color:rgb(32, 63, 48) }
```

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

Here you see how a box with a 4 pixel rgb(32, 63, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 63, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 63, 48);  
box-shadow:4px 4px 4px 4px rgb(32, 63, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.698, 160.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 63, 48) }
```

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

```
.background{ background-color: rgb(32, 63,  
48) }
```

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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