

Converting Colors

CIELCh(24, 22.287, 160.429)

Have a look what the booklet for
CIELCh(24, 22.287, 160.429)
contains.

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Color

CIELCh(24, 22.602, 160.081)

Conversions

Conversions Part 1

Format	Color
Hex	13412D
RGB	19, 65, 45
RGB Percent	7%, 25%, 18%
CMY	0.9258, 0.7453, 0.8238
CMYK	0.71, 0.00, 0.31, 0.75
HSL	154°, 55%, 16%
HSV	154°, 71%, 25%
XYZ	2.6265, 4.1002, 3.1298
YIQ	48.9660, -20.9960, -15.9720

Conversions

Conversions Part 2

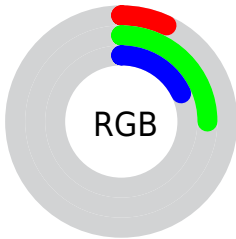
Format	Color
RYB	19, 48, 65
Decimal	1261869
CIELab	24.00, -21.25, 7.70
CIElCh	24, 22.602, 160.081
Yxy	4.1002, 0.2665, 0.4160
Android (android.graphics.Color)	4279451949 (0xFF13412D)
YUV	48.9660, -1.9552, -26.2802
Hunter-Lab	20.2490, -12.2826, 5.0102

Details

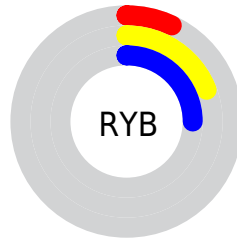
The CIELCh color **24, 22.602, 160.081** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 24.647, 355.561**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 22.184, 160.551**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 25.063, 158.567**, and if you desaturate by 10%, it is **24, 19.880, 161.442**.

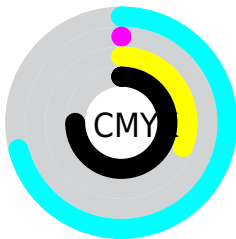
Distribution



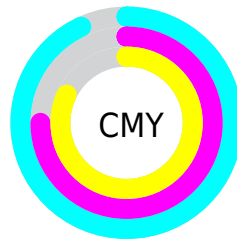
- Red (7%)
- Green (25%)
- Blue (18%)



- Red (7%)
- Yellow (19%)
- Blue (25%)



- Cyan (71%)
- Magenta (0%)
- Yellow (31%)
- Black (75%)





- Cyan (93%)
- Magenta (75%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 22.602, 160.081 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, 22.602, 160.081 by changing the saturation by 10% instead.

 24, 22.602,
160.081


 24, 22.602,
160.081

 100, 22.602,
160.081


 14, 22.602,
160.081


 44, 22.602,
160.081


 4, 22.602, 160.081

 54, 22.602,
160.081

 0, 22.602, 160.081

 64, 22.602,
160.081

 74, 22.602,
160.081

 84, 22.602,
160.081

 94, 22.602,

160.081

■ 24, 22.602,
160.081

■ 24, 22.602,
160.081

■ 24, 25.063,
158.567

■ 24, 19.880,
161.442

■ 24, 27.308,
156.986

■ 25, 16.932,
162.666

■ 23, 29.384,
155.764

■ 25, 13.799,
163.771

■ 26, 10.526,
164.773

■ 26, 7.158, 165.691

■ 27, 3.734, 166.549

■ 27, 0.289, 167.936

■ 28, 3.149, 347.919

■ 29, 6.557, 348.619

Harmonies

Complementary

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



24, 22.602, 160.081



14, 24.647, 355.561

Rectangle

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



24, 22.602, 160.081



24, 22.602, 210.081



24, 22.602, 340.081



24, 22.602, 30.081

Sweetspot

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



24, 22.602, 160.080



34, 8.942, 165.599



25, 30.924, 128.096



17, 6.102, 165.502



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, 22.602, 160.080



31, 31.872, 157.283



24, 15.047, 202.859



12, 1.948, 166.745



36, 39.658, 154.246



79, 75.816, 152.363

Inverse Universe

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



14, 24.647, 355.561



17, 34.368, 359.688



14, 24.461, 30.484



12, 1.975, 347.922



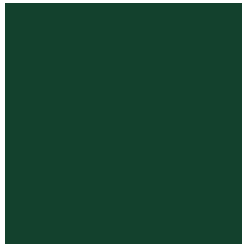
19, 41.577, 5.006



48, 76.726, 8.996

Previews

White Background



This preview shows how the CIELCh color 24, 22.602, 160.081 looks on a white background.

Color Contrast Check

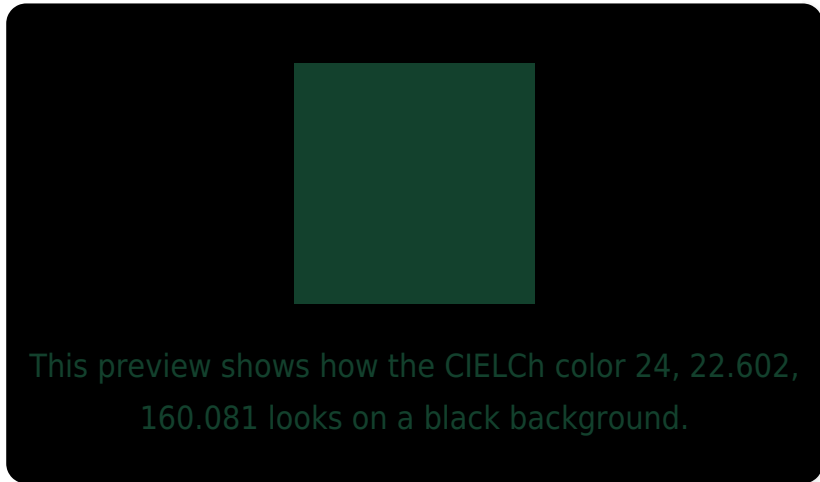
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

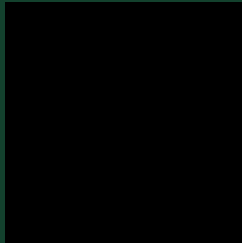
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 22.602, 160.081

Background



This preview shows how black text looks on a background with the CIELCh color 24, 22.602, 160.081.



This preview shows how white text looks on a background with the CIELCh color 24, 22.602, 160.081.

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

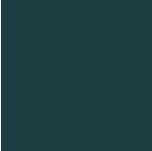
24, 22.602, 160.081

Protanopia

24, 10.709, 97.089

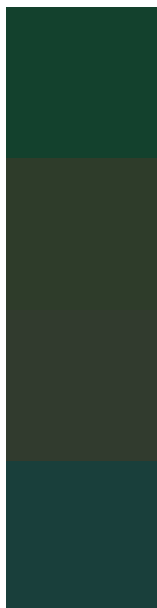
Deuteranopia

24, 7.610, 63.693



Tritanopia
24, 12.695, 212.749

Trichromacy



Original Color

24, 22.602, 160.081

Protanomaly

24, 13.605, 136.843

Deuteranomaly

24, 9.820, 136.984

Tritanomaly

24, 14.740, 186.459

Monochromacy



Original Color

24, 22.602, 160.081

Achromatopsia

20, 0.004, 296.813

Achromatomaly

21, 9.026, 166.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 22.602, 160.081 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, 65, 45)` looks like.

```
.text, #text, p{  
    color:rgb(19, 65, 45)  
}
```

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, 65, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 65, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 22.602, 160.081 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, 65, 45) }
```

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

```
.border{ border-color:rgb(19, 65, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 65, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 65, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 65, 45);  
box-shadow:4px 4px 4px 4px rgb(19, 65, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 22.602, 160.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 65, 45) }
```

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

```
.background{ background-color: rgb(19, 65,  
45) }
```

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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