

Converting Colors

CIELCh(22, 29.920, 151.857)

Have a look what the booklet for
CIELCh(22, 29.920, 151.857)
contains.

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Color

CIELCh(22, 30.032, 151.992)

Conversions

Conversions Part 1

Format	Color
Hex	023E1F
RGB	2, 62, 31
RGB Percent	1%, 24%, 12%
CMY	0.9937, 0.7582, 0.8796
CMYK	0.97, 0.00, 0.50, 0.76
HSL	149°, 95%, 12%
HSV	149°, 97%, 24%
XYZ	1.9671, 3.5154, 1.8498
YIQ	40.5260, -25.8090, -22.3610

Conversions

Conversions Part 2

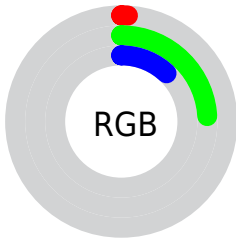
Format	Color
R _Y B	2, 42, 62
Decimal	146975
CIE Lab	22.00, -26.51, 14.10
CIE LCh	22, 30.032, 151.992
Yxy	3.5154, 0.2683, 0.4794
Android (android.graphics.Color)	4278337055 (0xFF023E1F)
YUV	40.5260, -4.6963, -33.7873
Hunter-Lab	18.7494, -14.0838, 7.2751

Details

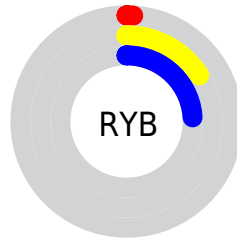
The CIELCh color **22, 30.032, 151.992** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 30.692, 354.662**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 29.891, 151.671**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 30.672, 151.693**, and if you desaturate by 10%, it is **22, 27.580, 153.326**.

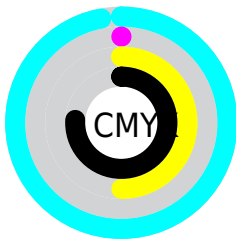
Distribution



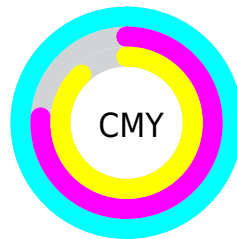
- Red (1%)
- Green (24%)
- Blue (12%)



- Red (1%)
- Yellow (16%)
- Blue (24%)



- Cyan (97%)
- Magenta (0%)
- Yellow (50%)
- Black (76%)





- Cyan (99%)
- Magenta (76%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 30.032, 151.992 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 22, 30.032, 151.992 by changing the saturation by 10% instead.

 22, 30.032,
151.992


 22, 30.032,
151.992

 100, 30.032,
151.992


 12, 30.032,
151.992


 42, 30.032,
151.992


 2, 30.032, 151.992

 52, 30.032,
151.992

 0, 30.032, 151.992

 62, 30.032,
151.992

 72, 30.032,
151.992

 82, 30.032,
151.992

 92, 30.032,

151.992

■ 22, 30.032,
151.992

■ 22, 30.032,
151.992

■ 22, 30.672,
151.693

■ 22, 27.580,
153.326

■ 22, 25.101,
154.885

■ 23, 22.376,
156.318

■ 23, 19.417,
157.603

■ 23, 16.263,
158.753

■ 24, 12.960,
159.785

■ 24, 9.552, 160.716

■ 25, 6.081, 161.564

■ 26, 2.585, 162.364

Harmonies

Complementary

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



22, 30.032, 151.992



10, 30.692, 354.662

Rectangle

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



22, 30.032, 151.992



22, 30.032, 201.992



22, 30.032, 331.992



22, 30.032, 21.992

Sweetspot

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



22, 30.032, 151.992



31, 12.416, 160.462



23, 37.131, 126.014



15, 8.590, 160.303



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 30.032, 151.992



29, 36.955, 150.641



23, 18.117, 194.236



11, 1.926, 162.282



35, 42.268, 150.017



78, 81.947, 148.078

Inverse Universe

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



10, 30.692, 354.662



15, 36.772, 356.666



9, 31.529, 25.929



10, 1.945, 343.358



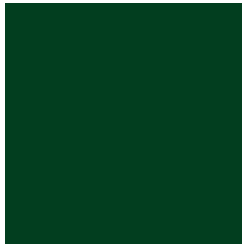
18, 41.388, 357.676



48, 76.416, 1.069

Previews

White Background



This preview shows how the CIELCh color 22, 30.032, 151.992 looks on a white background.

Color Contrast Check

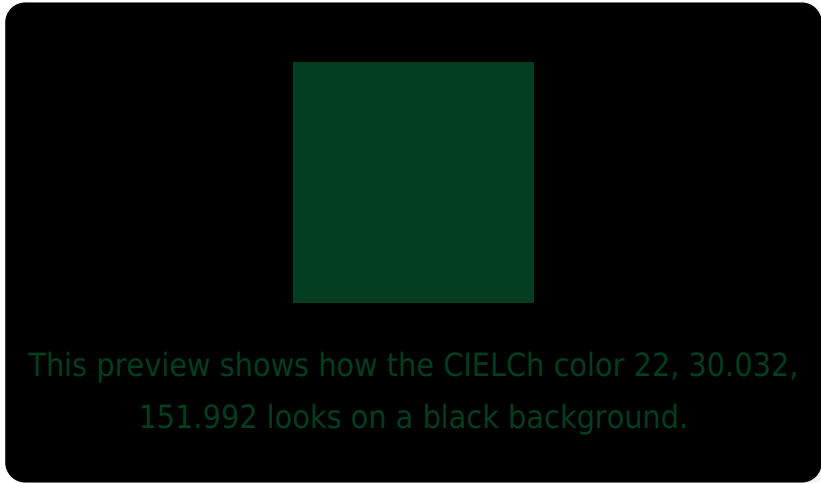
Large Text (above 18pt) WCAG AA ✓ Pass

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

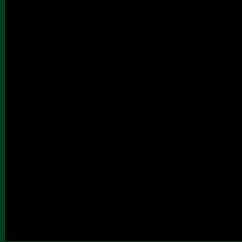
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 30.032, 151.992

Background



This preview shows how black text looks on a background with the CIELCh color 22, 30.032, 151.992.



This preview shows how white text looks on a background with the CIELCh color 22, 30.032, 151.992.

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](#).

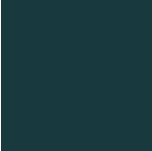
Dichromacy



Original Color
22, 30.032, 151.992

Protanopia
22, 16.753, 95.447

Deuteranopia
22, 13.914, 78.000



Tritanopia
22, 12.626, 212.949

Trichromacy



Original Color
22, 30.032, 151.992

Protanomaly
21, 19.834, 132.676

Deuteranomaly
21, 16.717, 131.125

Tritanomaly
22, 17.027, 177.890

Monochromacy



Original Color
22, 30.032, 151.992

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 12.631, 159.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 30.032, 151.992 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(2, 62, 31)` looks like.

```
.text, #text, p{  
    color:rgb(2, 62, 31)  
}
```

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(2, 62, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 62, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 30.032, 151.992 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(2, 62, 31) }
```

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

```
.border{ border-color:rgb(2, 62, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 62, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 62, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 62, 31); box-shadow:4px  
4px 4px 4px rgb(2, 62, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 30.032, 151.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 62, 31) }
```

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

```
.background{ background-color: rgb(2, 62,  
31) }
```

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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