

Converting Colors

CIELCh(22, 33.907, 146.575)

Have a look what the booklet for
CIELCh(22, 33.907, 146.575)
contains.

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Color

CIELCh(22, 33.968, 146.451)

Conversions

Conversions Part 1

Format	Color
Hex	013E17
RGB	1, 62, 23
RGB Percent	0%, 24%, 9%
CMY	0.9960, 0.7568, 0.9097
CMYK	0.98, 0.00, 0.63, 0.76
HSL	142°, 97%, 12%
HSV	142°, 98%, 24%
XYZ	1.8910, 3.5154, 1.3902
YIQ	39.3150, -23.8370, -25.0610

Conversions

Conversions Part 2

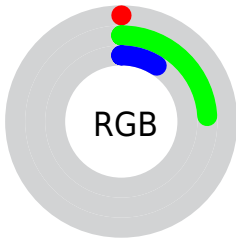
Format	Color
R_{YB}	1, 46, 62
Decimal	81431
CIE _{Lab}	22.00, -28.31, 18.77
CIE _{LCh}	22, 33.968, 146.451
Yxy	3.5154, 0.2782, 0.5172
Android (android.graphics.Color)	4278271511 (0xFF013E17)
YUV	39.3150, -8.0433, -33.6023
Hunter-Lab	18.7494, -14.8088, 8.7285

Details

The CIELCh color **22, 33.968, 146.451** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 32.830, 345.939**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 33.780, 146.611**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 34.418, 146.280**, and if you desaturate by 10%, it is **22, 31.211, 147.678**.

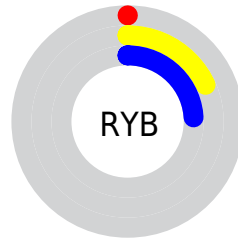
Distribution



Red (0%)

Green (24%)

Blue (9%)



Red (0%)

Yellow (18%)

Blue (24%)

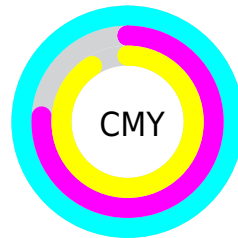


Cyan (98%)

Magenta (0%)

Yellow (63%)

Black (76%)



Cyan (100%)


Magenta (76%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 33.968, 146.451 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, 33.968, 146.451 by changing the saturation by 10% instead.

 22, 33.968,
146.451


 22, 33.968,
146.451

 100, 33.968,
146.451


 12, 33.968,
146.451


 42, 33.968,
146.451


 2, 33.968, 146.451

 52, 33.968,
146.451

 0, 33.968, 146.451

 62, 33.968,
146.451

 72, 33.968,
146.451

 82, 33.968,
146.451

 92, 33.968,

146.451

■ 22, 33.968,
146.451

■ 22, 33.968,
146.451

■ 22, 34.418,
146.280

■ 22, 31.211,
147.678

■ 22, 28.392,
149.181

■ 23, 25.306,
150.587

■ 23, 21.965,
151.845

■ 23, 18.419,
152.964

■ 24, 14.721,
153.958

■ 24, 10.924,
154.842

■ 25, 7.073, 155.634

■ 26, 3.210, 156.361

Harmonies

Complementary

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



22, 33.968, 146.451



11, 32.830, 345.939

Rectangle

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



22, 33.968, 146.451



22, 33.968, 196.451



22, 33.968, 326.451



22, 33.968, 16.451

Sweetspot

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



22, 33.968, 146.451



32, 14.513, 154.585



23, 36.179, 120.797



15, 9.728, 154.458



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, 33.968, 146.451



30, 42.341, 145.179



23, 20.566, 178.515



11, 2.108, 156.358



34, 47.297, 144.698



78, 91.740, 142.887

Inverse Universe

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



11, 32.830, 345.939



16, 39.592, 347.239



10, 31.103, 20.502



10, 2.121, 337.323



19, 43.592, 347.763



49, 80.010, 349.943

Previews

White Background



This preview shows how the CIELCh color 22, 33.968, 146.451 looks on a white background.

Color Contrast Check

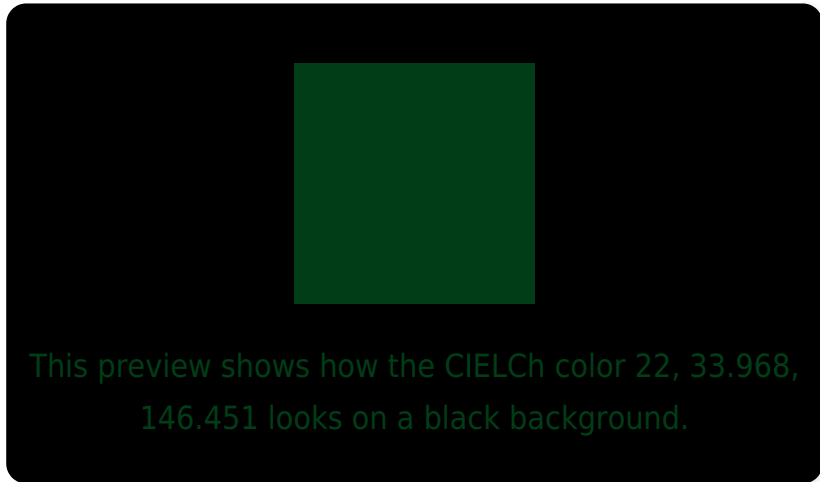
Large Text (above 18pt) WCAG AA ✓ Pass

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

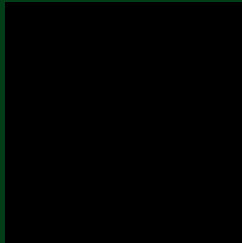
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 33.968, 146.451

Background



This preview shows how black text looks on a background with the CIELCh color 22, 33.968, 146.451.



This preview shows how white text looks on a background with the CIELCh color 22, 33.968, 146.451.

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, 33.968, 146.451

Protanopia
22, 21.547, 96.566

Deuteranopia
22, 18.551, 80.454



Tritanopia
22, 12.375, 213.311

Trichromacy



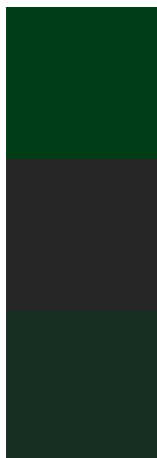
Original Color
22, 33.968, 146.451

Protanomaly
21, 24.264, 127.141

Deuteranomaly
21, 20.613, 124.463

Tritanomaly
22, 18.113, 172.048

Monochromacy



Original Color
22, 33.968, 146.451

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 14.137, 153.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 33.968, 146.451 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(1, 62, 23)` looks like.

```
.text, #text, p{  
    color:rgb(1, 62, 23)  
}
```

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(1, 62, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 62, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 33.968, 146.451 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(1, 62, 23) }
```

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

```
.border{ border-color:rgb(1, 62, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 62, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 62, 23); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 62, 23); box-shadow:4px  
4px 4px 4px rgb(1, 62, 23) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 33.968, 146.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 62, 23) }
```

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

```
.background{ background-color: rgb(1, 62,  
23) }
```

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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