

Converting Colors

CIELCh(22, 31.945, 135.629)

Have a look what the booklet for
CIELCh(22, 31.945, 135.629)
contains.

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Color

CIELCh(22, 31.613, 135.436)

Conversions

Conversions Part 1

Format	Color
Hex	193C11
RGB	25, 60, 17
RGB Percent	10%, 24%, 7%
CMY	0.9007, 0.7635, 0.9322
CMYK	0.58, 0.00, 0.71, 0.76
HSL	109°, 55%, 15%
HSV	109°, 71%, 24%
XYZ	2.1438, 3.5154, 1.1075
YIQ	44.6330, -7.0570, -20.7930

Conversions

Conversions Part 2

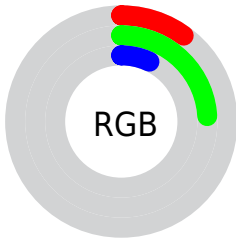
Format	Color
RYB	17, 60, 52
Decimal	1653777
CIELab	22.00, -22.52, 22.18
CIELCh	22, 31.613, 135.436
Yxy	3.5154, 0.3168, 0.5195
Android (android.graphics.Color)	4279843857 (0xFF193C11)
YUV	44.6330, -13.6231, -17.2181
Hunter-Lab	18.7494, -12.4023, 9.6223

Details

The CIELCh color **22, 31.613, 135.436** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 32.144, 321.658**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 31.842, 135.577**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 35.102, 134.984**, and if you desaturate by 10%, it is **22, 27.671, 136.017**.

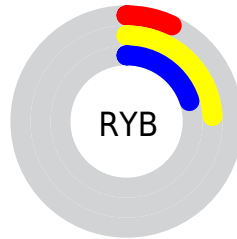
Distribution



Red (10%)

Green (24%)

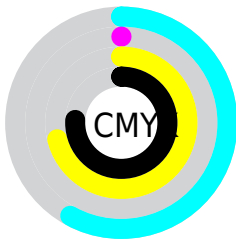
Blue (7%)



Red (7%)

Yellow (24%)

Blue (20%)

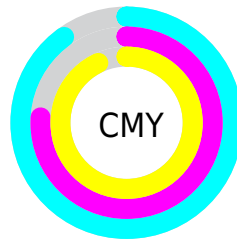


Cyan (58%)

Magenta (0%)

Yellow (71%)

Black (76%)



Cyan (90%)


Magenta (76%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 31.613, 135.436 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, 31.613, 135.436 by changing the saturation by 10% instead.

 22, 31.613,
135.436


 22, 31.613,
135.436

 100, 31.613,
135.436


 12, 31.613,
135.436


 42, 31.613,
135.436


 2, 31.613, 135.436

 52, 31.613,
135.436

 0, 31.613, 135.436

 62, 31.613,
135.436

 72, 31.613,
135.436

 82, 31.613,
135.436

 92, 31.613,

135.436

■ 22, 31.613,
135.436

■ 22, 31.613,
135.436

■ 22, 35.102,
134.984

■ 22, 27.671,
136.017

■ 22, 38.049,
134.774

■ 23, 23.428,
136.626

■ 21, 40.505,
134.430

■ 23, 18.988,
137.222

■ 24, 14.430,
137.783

■ 24, 9.817, 138.298

■ 25, 5.198, 138.767

■ 25, 0.607, 139.308

■ 26, 3.929, 319.496

■ 27, 8.391, 319.824

Harmonies

Complementary

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



22, 31.613, 135.436



12, 32.144, 321.658

Rectangle

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



22, 31.613, 135.436



22, 31.613, 185.436



22, 31.613, 315.436



22, 31.613, 5.436

Sweetspot

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



22, 31.613, 135.437



32, 12.111, 138.266



22, 22.679, 92.972



15, 8.274, 138.219



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, 31.613, 135.437



29, 45.149, 134.654



22, 26.957, 147.886



11, 2.572, 138.896



34, 56.457, 134.155



78, 106.216, 134.911

Inverse Universe

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



12, 32.144, 321.658



15, 45.621, 321.782



13, 26.842, 339.368



10, 2.585, 319.511



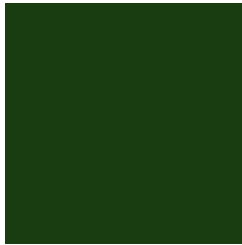
17, 56.703, 321.598



46, 105.840, 321.097

Previews

White Background



This preview shows how the CIELCh color 22, 31.613, 135.436 looks on a white background.

Color Contrast Check

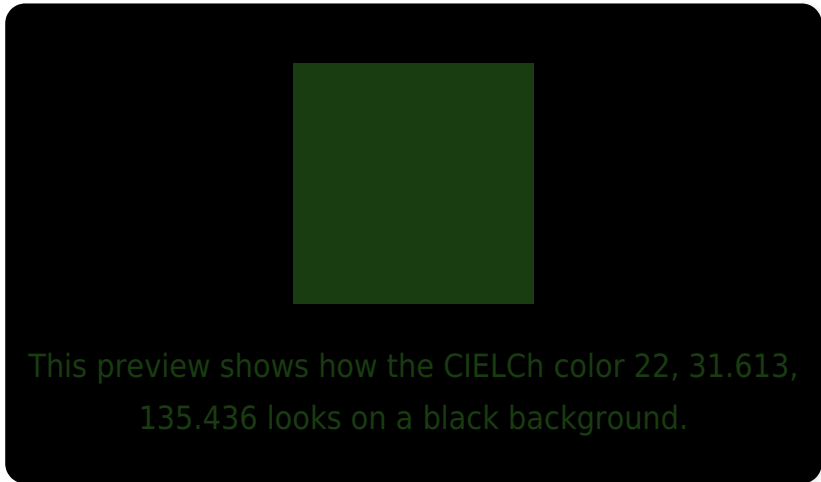
Large Text (above 18pt) WCAG AA ✓ Pass

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

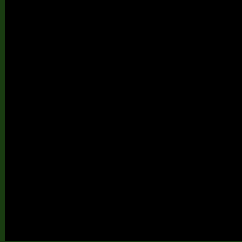
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 31.613, 135.436

Background



This preview shows how black text looks on a background with the CIELCh color 22, 31.613, 135.436.



This preview shows how white text looks on a background with the CIELCh color 22, 31.613, 135.436.

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

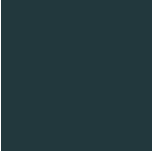
22, 31.613, 135.436

Protanopia

22, 24.301, 96.833

Deuteranopia

22, 21.148, 81.154



Tritanopia
22, 9.216, 219.537

Trichromacy



Original Color
22, 31.613, 135.436

Protanomaly
22, 25.535, 115.275

Deuteranomaly
22, 21.866, 109.352

Tritanomaly
22, 14.776, 160.673

Monochromacy



Original Color
22, 31.613, 135.436

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 12.546, 137.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 31.613, 135.436 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(25, 60, 17)` looks like.

```
.text, #text, p{  
    color:rgb(25, 60, 17)  
}
```

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(25, 60, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 60, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 31.613, 135.436 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(25, 60, 17) }
```

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

```
.border{ border-color:rgb(25, 60, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 60, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 60, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 60, 17);  
box-shadow:4px 4px 4px 4px rgb(25, 60, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 31.613, 135.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 60, 17) }
```

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

```
.background{ background-color: rgb(25, 60,  
17) }
```

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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