

Converting Colors

CIELCh(22, 14.104, 200.181)

Have a look what the booklet for
CIELCh(22, 14.104, 200.181)
contains.

CIELCh(22, 13.978, 199.776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(22, 13.978, 199.776)

Conversions

Conversions Part 1

Format	Color
Hex	133A3B
RGB	19, 58, 59
RGB Percent	7%, 23%, 23%
CMY	0.9242, 0.7714, 0.7675
CMYK	0.67, 0.02, 0.00, 0.77
HSL	181°, 51%, 15%
HSV	181°, 67%, 23%
XYZ	2.5992, 3.5154, 4.7179
YIQ	46.4530, -23.5650, -7.9570

Conversions

Conversions Part 2

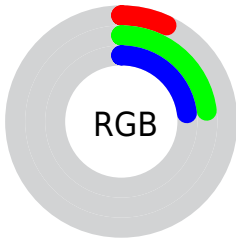
Format	Color
R_{YB}	19, 39, 59
Decimal	1260091
CIE _{Lab}	22.00, -13.15, -4.73
CIE _{LCh}	22, 13.978, 199.776
Yxy	3.5154, 0.2399, 0.3245
Android (android.graphics.Color)	4279450171 (0xFF133A3B)
YUV	46.4530, 6.1857, -24.0763
Hunter-Lab	18.7494, -8.0661, -1.7944

Details

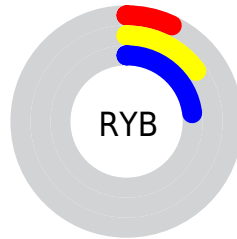
The CIELCh color **22, 13.978, 199.776** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 21.710, 28.075**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 13.986, 200.274**, and **3, 4.210, 229.344** is the 20% darker color. If you saturate the color by 10%, you get **22, 15.147, 199.751**, and if you desaturate by 10%, it is **22, 12.529, 199.874**.

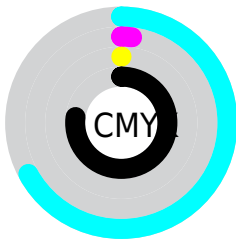
Distribution



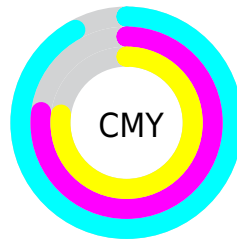
- Red (7%)
- Green (23%)
- Blue (23%)



- Red (7%)
- Yellow (15%)
- Blue (23%)



- Cyan (67%)
- Magenta (2%)
- Yellow (0%)
- Black (77%)





- Cyan (92%)
- Magenta (77%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 13.978, 199.776 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, 13.978, 199.776 by changing the saturation by 10% instead.

 22, 13.978,
199.776


 22, 13.978,
199.776

 100, 13.978,
199.776


 12, 13.978,
199.776


 42, 13.978,
199.776


 2, 13.978, 199.776

 52, 13.978,
199.776

 0, 13.978, 199.776

 62, 13.978,
199.776

 72, 13.978,
199.776

 82, 13.978,
199.776

 92, 13.978,

199.776

■ 22, 13.978,
199.776

■ 22, 13.978,
199.776

■ 22, 15.147,
199.751

■ 22, 12.529,
199.874

■ 22, 16.057,
199.797

■ 23, 10.818,
200.043

■ 21, 16.944,
199.832

■ 23, 8.870, 200.277

■ 24, 6.714, 200.570

■ 21, 17.180,
199.837

■ 24, 4.383, 200.921

■ 25, 1.907, 201.364

■ 25, 0.684, 21.304

■ 26, 3.363, 22.012

■ 26, 6.107, 22.499

Harmonies

Complementary

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



22, 13.978, 199.776



13, 21.710, 28.075

Rectangle

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



22, 13.978, 199.776



22, 13.978, 249.776



22, 13.978, 19.776



22, 13.978, 69.776

Sweetspot

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



22, 13.978, 199.774



31, 6.177, 200.791



21, 30.881, 139.841



14, 4.127, 200.762



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 13.978, 199.774



29, 18.721, 199.784



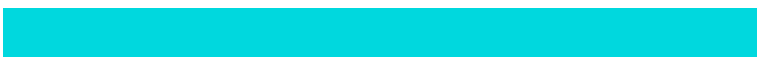
15, 15.620, 269.189



11, 1.466, 201.307



35, 23.435, 200.111



79, 43.549, 200.422

Inverse Universe

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



14, 30.390, 328.133



17, 42.335, 328.678



18, 18.140, 69.709



10, 2.688, 325.488



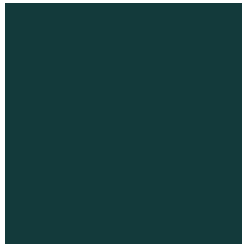
21, 54.827, 329.183



52, 101.990, 329.261

Previews

White Background



This preview shows how the CIE LCh color 22, 13.978, 199.776 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 22, 13.978, 199.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

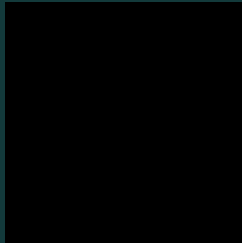
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 13.978, 199.776

Background



This preview shows how black text looks on a background with the CIELCh color 22, 13.978, 199.776.



This preview shows how white text looks on a background with the CIELCh color 22, 13.978, 199.776.

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](#).

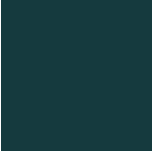
Dichromacy



Original Color
22, 13.978, 199.776

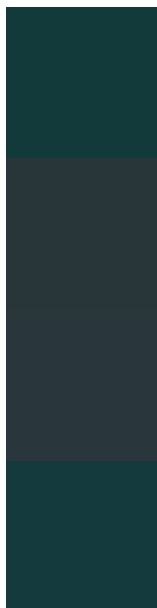
Protanopia
22, 2.736, 300.291

Deuteranopia
22, 6.883, 302.671



Tritanopia
22, 13.330, 208.958

Trichromacy



Original Color
22, 13.978, 199.776

Protanomaly
22, 5.830, 218.874

Deuteranomaly
22, 6.633, 236.345

Tritanomaly
22, 13.588, 205.744

Monochromacy



Original Color
22, 13.978, 199.776

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 6.097, 198.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 13.978, 199.776 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, 58, 59)` looks like.

```
.text, #text, p{  
    color:rgb(19, 58, 59)  
}
```

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, 58, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 58, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 13.978, 199.776 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, 58, 59) }
```

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

```
.border{ border-color:rgb(19, 58, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 58, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 58, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 58, 59);  
box-shadow:4px 4px 4px 4px rgb(19, 58, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 13.978, 199.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 58, 59) }
```

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

```
.background{ background-color: rgb(19, 58,  
59) }
```

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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