

Converting Colors

CIELCh(17, 22.623, 145.068)

Have a look what the booklet for
CIELCh(17, 22.623, 145.068)
contains.

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Color

CIELCh(17, 22.213, 145.419)

Conversions

Conversions Part 1

Format	Color
Hex	113017
RGB	17, 48, 23
RGB Percent	7%, 19%, 9%
CMY	0.9330, 0.8115, 0.9095
CMYK	0.64, 0.00, 0.52, 0.81
HSL	132°, 48%, 13%
HSV	132°, 64%, 19%
XYZ	1.4481, 2.3023, 1.1824
YIQ	35.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

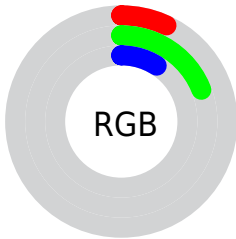
Format	Color
R_{YB}	17, 43, 48
Decimal	1126423
CIE _{Lab}	17.00, -18.29, 12.61
CIE _{LCh}	17, 22.213, 145.419
Yxy	2.3023, 0.2936, 0.4667
Android (android.graphics.Color)	4279316503 (0xFF113017)
YUV	35.8810, -6.3503, -16.5586
Hunter-Lab	15.1734, -9.5181, 6.0012

Details

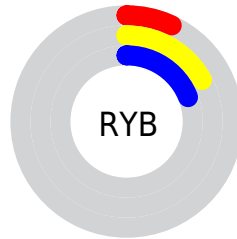
The CIELCh color **17, 22.213, 145.419** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 22.095, 333.826**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.050, 145.704**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.229, 144.286**, and if you desaturate by 10%, it is **17, 18.994, 146.442**.

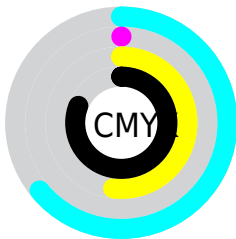
Distribution



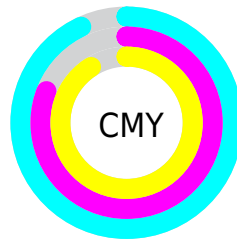
- Red (7%)
- Green (19%)
- Blue (9%)



- Red (7%)
- Yellow (17%)
- Blue (19%)



- Cyan (64%)
- Magenta (0%)
- Yellow (52%)
- Black (81%)



- Cyan (93%)
- Magenta (81%)
- Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.213, 145.419 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 17, 22.213, 145.419 by changing the saturation by 10% instead.

 17, 22.213,
145.419

 17, 22.213,
145.419

 100, 22.213,
145.419

 7, 22.213, 145.419

 37, 22.213,
145.419

 0, 22.213, 145.419

 47, 22.213,
145.419


 57, 22.213,
145.419


 67, 22.213,
145.419


 77, 22.213,
145.419


 87, 22.213,


145.419

 97, 22.213,
145.419


 17, 22.213,
145.419


 17, 22.213,
145.419


 17, 25.229,
144.286


 17, 18.994,
146.442

 17, 27.954,
143.300

 18, 15.624,
147.356

 16, 30.436,
142.999

 18, 12.154,
148.168

 16, 31.719,
143.071

 19, 8.630, 148.887

 19, 5.089, 149.528

 20, 1.563, 150.138

■ 20, 1.923, 330.501

■ 21, 5.351, 330.979

■ 22, 8.707, 331.381

Harmonies

Complementary

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



17, 22.213, 145.419



11, 22.095, 333.826

Rectangle

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



17, 22.213, 145.419



17, 22.213, 195.419



17, 22.213, 325.419



17, 22.213, 15.419

Sweetspot

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



17, 22.213, 145.419



26, 8.484, 149.175



19, 20.491, 113.749



12, 5.903, 149.126



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 22.213, 145.419



23, 32.568, 143.426



17, 14.753, 168.928



7, 1.733, 150.093



31, 49.845, 139.814



75, 99.472, 138.264

Inverse Universe

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



11, 22.095, 333.826



14, 31.768, 334.878



10, 17.100, 2.141



7, 1.719, 330.498



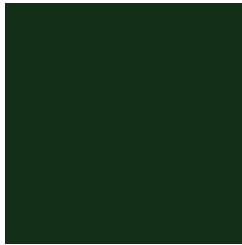
18, 45.812, 336.903



49, 87.074, 337.863

Previews

White Background



This preview shows how the CIELCh color 17, 22.213, 145.419 looks on a white background.

Color Contrast Check

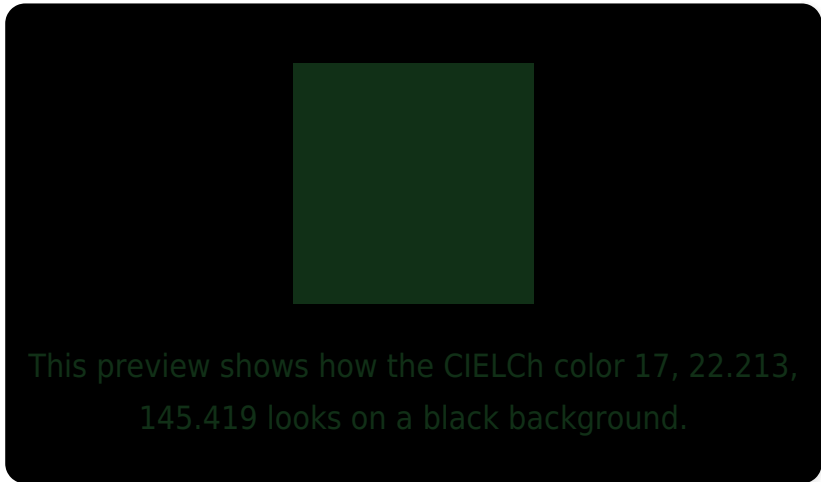
Large Text (above 18pt) WCAG AA ✓ Pass

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

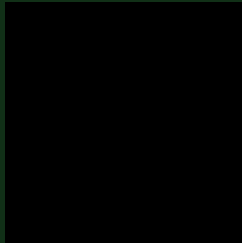
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.213, 145.419

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.213, 145.419.



This preview shows how white text looks on a background with the CIELCh color 17, 22.213, 145.419.

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

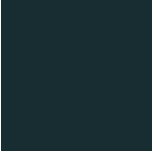
17, 22.213, 145.419

Protanopia

17, 14.476, 97.647

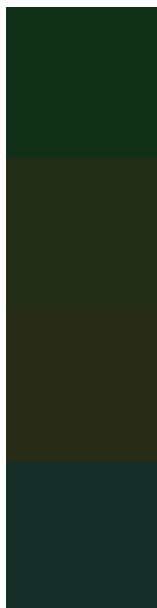
Deuteranopia

17, 12.082, 77.614



Tritanopia
17, 8.793, 216.423

Trichromacy



Original Color
17, 22.213, 145.419

Protanomaly
17, 15.655, 123.809

Deuteranomaly
17, 13.134, 116.016

Tritanomaly
17, 11.568, 175.730

Monochromacy



Original Color
17, 22.213, 145.419

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.366, 148.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.213, 145.419 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(17, 48, 23)` looks like.

```
.text, #text, p{  
    color:rgb(17, 48, 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(17, 48, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 48, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.213, 145.419 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(17, 48, 23) }
```

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

```
.border{ border-color:rgb(17, 48, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 48, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 48, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 48, 23);  
box-shadow:4px 4px 4px 4px rgb(17, 48, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.213, 145.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 48, 23) }
```

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

```
.background{ background-color: rgb(17, 48,  
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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