

Converting Colors

CIELCh(21, 14.830, 168.686)

Have a look what the booklet for
CIELCh(21, 14.830, 168.686)
contains.

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Color

CIELCh(21, 14.732, 169.345)

Conversions

Conversions Part 1

Format	Color
Hex	19382E
RGB	25, 56, 46
RGB Percent	10%, 22%, 18%
CMY	0.9015, 0.7800, 0.8192
CMYK	0.55, 0.00, 0.18, 0.78
HSL	161°, 38%, 16%
HSV	161°, 55%, 22%
XYZ	2.3183, 3.2451, 3.0998
YIQ	45.5910, -15.2660, -9.6820

Conversions

Conversions Part 2

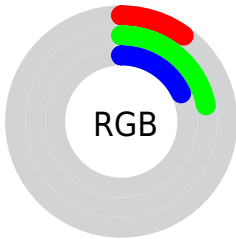
Format	Color
RYB	25, 43, 56
Decimal	1652782
CIELab	21.00, -14.48, 2.72
CIELCh	21, 14.732, 169.345
Yxy	3.2451, 0.2676, 0.3746
Android (android.graphics.Color)	4279842862 (0xFF19382E)
YUV	45.5910, 0.2016, -18.0583
Hunter-Lab	18.0142, -8.5529, 2.4075




Details

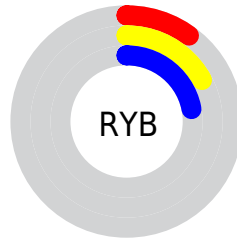
The CIELCh color **21, 14.732, 169.345** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 16.757, 0.453**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **41, 14.482, 170.134**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 16.963, 168.155**, and if you desaturate by 10%, it is **21, 12.317, 170.431**.

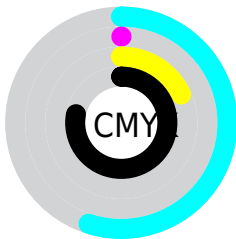
Distribution







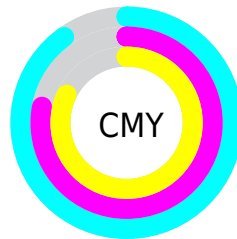
-  Red (10%)
-  Green (22%)
-  Blue (18%)






-  Red (10%)
-  Yellow (17%)
-  Blue (22%)



-  Cyan (55%)
-  Magenta (0%)
-  Yellow (18%)
-  Black (78%)



-  Cyan (90%)
-  Magenta (78%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 14.732, 169.345 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 21, 14.732, 169.345 by changing the saturation by 10% instead.

■ 21, 14.732,
169.345

■ 21, 14.732,
169.345

■ 100, 14.732,
169.345

■ 11, 14.732,
169.345

■ 41, 14.732,
169.345

■ 1, 14.732, 169.345

■ 51, 14.732,
169.345

■ 0, 14.732, 169.345

■ 61, 14.732,
169.345

■ 71, 14.732,
169.345

■ 81, 14.732,
169.345

■ 91, 14.732,

169.345

■ 21, 14.732,
169.345

■ 21, 14.732,
169.345

■ 21, 16.963,
168.155

■ 21, 12.317,
170.431

■ 20, 18.980,
166.848

■ 22, 9.751, 171.432

■ 20, 20.775,
165.429

■ 22, 7.069, 172.361

■ 23, 4.304, 173.237

■ 20, 22.559,
164.179

■ 23, 1.487, 174.127

■ 20, 23.429,
163.667

■ 24, 1.355, 354.614

■ 24, 4.202, 355.430

■ 25, 7.034, 356.133



Harmonies

Complementary

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



21, 14.732, 169.345



14, 16.757, 0.453

Rectangle

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



21, 14.732, 169.345



21, 14.732, 219.345



21, 14.732, 349.345



21, 14.732, 39.345

Sweetspot

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



21, 14.732, 169.344



30, 6.034, 173.012



21, 22.637, 132.360



14, 4.073, 172.975



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 14.732, 169.344



28, 21.359, 167.635



19, 10.380, 217.754



10, 1.569, 173.836



34, 33.539, 161.759



78, 65.147, 159.824

Inverse Universe

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



14, 16.757, 0.453



17, 24.979, 3.070



15, 14.860, 36.821



9, 1.600, 354.985



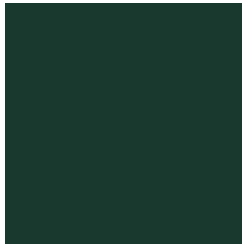
17, 40.501, 14.767



46, 77.706, 19.732

Previews

White Background



This preview shows how the CIELCh color 21, 14.732, 169.345 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 21, 14.732, 169.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

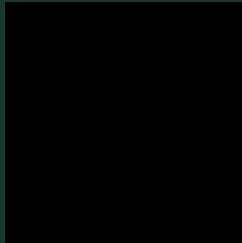
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 14.732, 169.345

Background



This preview shows how black text looks on a background with the CIELCh color 21, 14.732, 169.345.



This preview shows how white text looks on a background with the CIELCh color 21, 14.732, 169.345.

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

21, 14.732, 169.345

Protanopia

21, 4.936, 91.723

Deuteranopia

21, 3.422, 31.320



Tritanopia
21, 10.133, 217.456

Trichromacy



Original Color
21, 14.732, 169.345

Protanomaly
21, 6.904, 146.696

Deuteranomaly
21, 4.723, 152.948

Tritanomaly
21, 10.892, 193.820

Monochromacy



Original Color
21, 14.732, 169.345

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 6.153, 171.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 14.732, 169.345 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, 56, 46)` looks like.

```
.text, #text, p{  
    color:rgb(25, 56, 46)  
}
```

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, 56, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 56, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 14.732, 169.345 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, 56, 46) }
```

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

```
.border{ border-color:rgb(25, 56, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 56, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 56, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 56, 46);  
box-shadow:4px 4px 4px 4px rgb(25, 56, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 14.732, 169.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 56, 46) }
```

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

```
.background{ background-color: rgb(25, 56,  
46) }
```

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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