

Converting Colors

CIELCh(21, 12.195, 233.331)

Have a look what the booklet for
CIELCh(21, 12.195, 233.331)
contains.

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Color

CIELCh(21, 12.417, 235.093)

Conversions

Conversions Part 1

Format	Color
Hex	193641
RGB	25, 54, 65
RGB Percent	10%, 21%, 25%
CMY	0.9013, 0.7876, 0.7445
CMYK	0.61, 0.17, 0.00, 0.74
HSL	197°, 44%, 18%
HSV	197°, 61%, 26%
XYZ	2.6902, 3.2451, 5.5099
YIQ	46.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

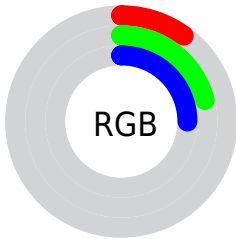
Format	Color
R_{YB}	25, 42, 65
Decimal	1652289
CIE _{Lab}	21.00, -7.11, -10.18
CIE _{LCh}	21, 12.417, 235.093
Yxy	3.2451, 0.2351, 0.2835
Android (android.graphics.Color)	4279842369 (0xFF193641)
YUV	46.5830, 9.0796, -18.9283
Hunter-Lab	18.0142, -4.8679, -5.5247




Details

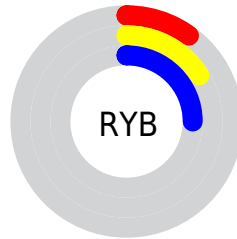
The CIELCh color **21, 12.417, 235.093** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 18.104, 46.669**, and the grayscale version is **19, 0.004, 296.813**.




A 20% lighter version of the original color is **41, 12.540, 234.142**, and **2, 8.753, 277.368** is the 20% darker color. If you saturate the color by 10%, you get **20, 13.831, 237.237**, and if you desaturate by 10%, it is **22, 10.799, 233.345**.

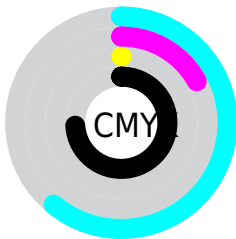
Distribution







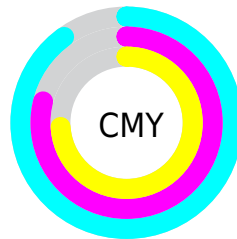
-  Red (10%)
-  Green (21%)
-  Blue (25%)






-  Red (10%)
-  Yellow (16%)
-  Blue (25%)



-  Cyan (61%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (74%)



-  Cyan (90%)
-  Magenta (79%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 12.417, 235.093 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, 12.417, 235.093 by changing the saturation by 10% instead.

■ 21, 12.417,
235.093

■ 21, 12.417,
235.093

■ 100, 12.417,
235.093

■ 11, 12.417,
235.093

■ 41, 12.417,
235.093

■ 1, 12.417, 235.093

■ 51, 12.417,
235.093

■ 0, 12.417, 235.093

■ 61, 12.417,
235.093

■ 71, 12.417,
235.093

■ 81, 12.417,
235.093

■ 91, 12.417,

235.093

■ 21, 12.417,
235.093

■ 21, 12.417,
235.093

■ 20, 13.831,
237.237

■ 22, 10.799,
233.345

■ 19, 15.036,
239.842

■ 23, 8.994, 231.934

■ 18, 16.106,
242.735

■ 24, 7.021, 230.803

■ 25, 4.903, 229.907

■ 18, 17.081,
244.917

■ 26, 2.666, 229.220

■ 27, 0.329, 229.265

■ 29, 2.087, 47.988

■ 30, 4.563, 47.689

Harmonies

Complementary

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



21, 12.417, 235.093



18, 18.104, 46.669

Rectangle

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



21, 12.417, 235.093



21, 12.417, 285.093



21, 12.417, 55.093



21, 12.417, 105.093

Sweetspot

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



21, 12.417, 235.092



33, 5.139, 229.706



24, 25.804, 147.817



16, 3.591, 229.815



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



21, 12.417, 235.092



26, 17.273, 238.664



14, 21.833, 287.865



12, 1.330, 229.071



27, 22.747, 248.018



63, 43.063, 252.025

Inverse Universe

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



16, 25.676, 337.397



20, 36.397, 338.758



24, 20.480, 91.660



12, 2.416, 333.757



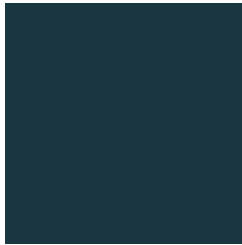
20, 46.706, 341.944



50, 84.984, 343.338

Previews

White Background



This preview shows how the CIE LCh color 21, 12.417, 235.093 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, 12.417, 235.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

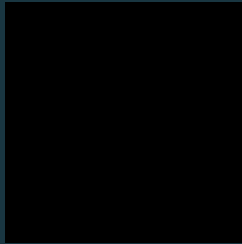
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

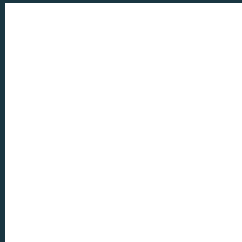
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 12.417, 235.093

Background



This preview shows how black text looks on a background with the CIELCh color 21, 12.417, 235.093.



This preview shows how white text looks on a background with the CIELCh color 21, 12.417, 235.093.

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

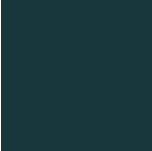
21, 12.417, 235.093

Protanopia

21, 8.141, 286.076

Deuteranopia

21, 10.852, 286.158



Tritanopia
21, 12.068, 213.864

Trichromacy



Original Color
21, 12.417, 235.093

Protanomaly
21, 8.705, 258.038

Deuteranomaly
21, 10.540, 263.415

Tritanomaly
21, 12.014, 220.999

Monochromacy



Original Color
21, 12.417, 235.093

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 5.379, 229.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 12.417, 235.093 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, 54, 65)` looks like.

```
.text, #text, p{  
    color:rgb(25, 54, 65)  
}
```

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, 54, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 54, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 12.417, 235.093 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, 54, 65) }
```

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

```
.border{ border-color:rgb(25, 54, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 54, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 54, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 54, 65);  
box-shadow:4px 4px 4px 4px rgb(25, 54, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 12.417, 235.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 54, 65) }
```

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

```
.background{ background-color: rgb(25, 54,  
65) }
```

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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