

Converting Colors

CIELCh(18, 34.847, 234.807)

Have a look what the booklet for
CIELCh(18, 34.847, 234.807)
contains.

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Color

CIELCh(21, 23.912, 264.466)

Conversions

Conversions Part 1

Format	Color
Hex	013555
RGB	1, 53, 85
RGB Percent	0%, 21%, 33%
CMY	0.9976, 0.7907, 0.6651
CMYK	0.99, 0.38, 0.00, 0.67
HSL	203°, 99%, 17%
HSV	203°, 99%, 33%
XYZ	2.9525, 3.2451, 9.1472
YIQ	41.1000, -41.2640, -1.0720

Conversions

Conversions Part 2

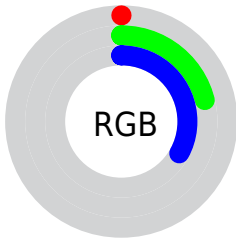
Format	Color
R_YB	1, 33, 85
Decimal	79189
CIE _{Lab}	21.00, -2.31, -23.80
CIE _{LCh}	21, 23.912, 264.466
Yxy	3.2451, 0.1924, 0.2115
Android (android.graphics.Color)	4278269269 (0xFF013555)
YUV	41.1000, 21.6427, -35.1677
Hunter-Lab	18.0142, -2.2688, -17.4961

Details

The CIELCh color **21, 23.912, 264.466** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **20, 37.133, 52.248**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 24.008, 265.351**, and **3, 21.921, 288.403** is the 20% darker color. If you saturate the color by 10%, you get **21, 24.057, 264.714**, and if you desaturate by 10%, it is **22, 21.979, 260.746**.

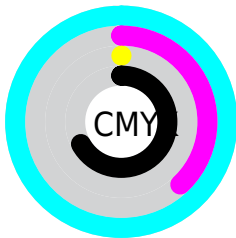
Distribution



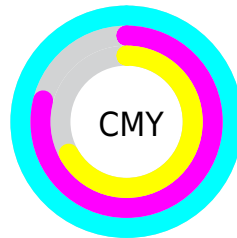
- Red (0%)
- Green (21%)
- Blue (33%)



- Red (0%)
- Yellow (13%)
- Blue (33%)



- Cyan (99%)
- Magenta (38%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (79%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 23.912, 264.466 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, 23.912, 264.466 by changing the saturation by 10% instead.

■ 21, 23.912,
264.466

■ 21, 23.912,
264.466

■ 100, 23.912,
264.466

■ 11, 23.912,
264.466

■ 41, 23.912,
264.466

■ 1, 23.912, 264.466

■ 51, 23.912,
264.466

■ 0, 23.912, 264.466

■ 61, 23.912,
264.466

■ 71, 23.912,
264.466

■ 81, 23.912,
264.466

■ 91, 23.912,

264.466

■ 21, 23.912,
264.466

■ 21, 23.912,
264.466

■ 21, 24.057,
264.714

■ 22, 21.979,
260.746

■ 24, 20.092,
256.859

■ 25, 18.077,
253.490

■ 27, 15.905,
250.631

■ 28, 13.564,
248.239

■ 30, 11.061,
246.251

■ 31, 8.411, 244.609

■ 33, 5.634, 243.257

■ 35, 2.752, 242.169

Harmonies

Complementary

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



21, 23.912, 264.466



20, 37.133, 52.248

Rectangle

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



21, 23.912, 264.466



21, 23.912, 314.466



21, 23.912, 84.466



21, 23.912, 134.466

Sweetspot

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



21, 23.912, 264.467



41, 10.761, 244.877



31, 43.385, 145.352



19, 7.227, 245.269



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



21, 23.912, 264.467



28, 29.800, 266.658



8, 52.471, 302.350



17, 1.682, 242.125



27, 28.728, 266.359



59, 53.532, 270.021

Inverse Universe

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



17, 40.272, 348.553



23, 48.609, 349.655



31, 39.921, 94.279



16, 2.824, 338.163



22, 47.079, 349.500



51, 82.672, 351.500

Previews

White Background



This preview shows how the CIELCh color 21, 23.912, 264.466 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, 23.912, 264.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

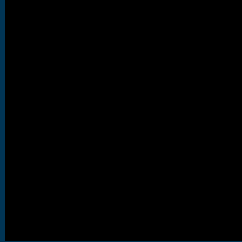
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 23.912, 264.466

Background



This preview shows how black text looks on a background with the CIELCh color 21, 23.912, 264.466.



This preview shows how white text looks on a background with the CIELCh color 21, 23.912, 264.466.

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, 23.861, 264.737

Protanopia

21, 21.722, 285.002

Deuteranopia

21, 23.618, 276.653



Tritanopia
21, 16.738, 206.011

Trichromacy



Original Color
21, 23.861, 264.737

Protanomaly
21, 22.513, 274.630

Deuteranomaly
21, 24.181, 272.138

Tritanomaly
21, 17.192, 231.032

Monochromacy



Original Color
21, 23.861, 264.737

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 10.724, 249.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 23.912, 264.466 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(1, 53, 85)` looks like.

```
.text, #text, p{  
    color:rgb(1, 53, 85)  
}
```

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(1, 53, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 53, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 23.912, 264.466 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(1, 53, 85) }
```

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

```
.border{ border-color:rgb(1, 53, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 53, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 53, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 53, 85); box-shadow:4px  
4px 4px 4px rgb(1, 53, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 23.912, 264.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 53, 85) }
```

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

```
.background{ background-color: rgb(1, 53,  
85) }
```

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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