

Converting Colors

CIELCh(21, 11.571, 291.290)

Have a look what the booklet for
CIELCh(21, 11.571, 291.290)
contains.

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Color

CIELCh(21, 11.515, 290.766)

Conversions

Conversions Part 1

Format	Color
Hex	303142
RGB	48, 49, 66
RGB Percent	19%, 19%, 26%
CMY	0.8109, 0.8070, 0.7403
CMYK	0.27, 0.26, 0.00, 0.74
HSL	237°, 16%, 22%
HSV	237°, 27%, 26%
XYZ	3.3274, 3.2451, 5.6414
YIQ	50.6390, -6.0530, 5.0750

Conversions

Conversions Part 2

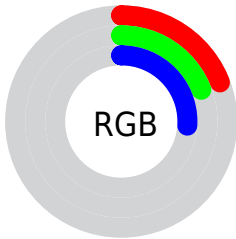
Format	Color
R_YB	48, 49, 66
Decimal	3158338
CIE Lab	21.00, 4.08, -10.77
CIE LCh	21, 11.515, 290.766
Yxy	3.2451, 0.2724, 0.2657
Android (android.graphics.Color)	4281348418 (0xFF303142)
YUV	50.6390, 7.5730, -2.3144
Hunter-Lab	18.0142, 1.4456, -5.9576

Details

The CIELCh color **21, 11.515, 290.766** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 10.956, 105.439**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 11.550, 289.995**, and **1, 11.740, 291.531** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.031, 292.142**, and if you desaturate by 10%, it is **24, 7.156, 289.570**.

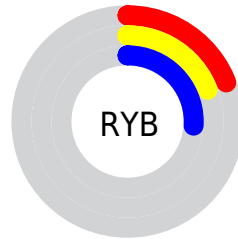
Distribution



Red (19%)

Green (19%)

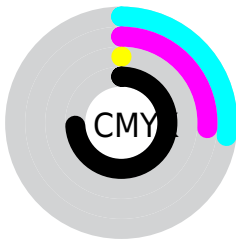
Blue (26%)



Red (19%)

Yellow (19%)

Blue (26%)

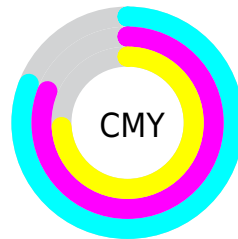


Cyan (27%)

Magenta (26%)

Yellow (0%)

Black (74%)



Cyan (81%)

Magenta (81%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 11.515, 290.766 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, 11.515, 290.766 by changing the saturation by 10% instead.

■ 21, 11.515,
290.766

■ 21, 11.515,
290.766

■ 100, 11.515,
290.766

■ 11, 11.515,
290.766

■ 41, 11.515,
290.766

■ 1, 11.515, 290.766

■ 51, 11.515,
290.766

■ 0, 11.515, 290.766

■ 61, 11.515,
290.766

■ 71, 11.515,
290.766

■ 81, 11.515,
290.766

■ 91, 11.515,

290.766

■ 21, 11.515,
290.766

■ 21, 11.515,
290.766

■ 18, 16.031,
292.142

■ 24, 7.156, 289.570

■ 26, 2.946, 288.541

■ 16, 20.713,
293.720

■ 29, 1.127, 107.593

■ 13, 25.562,
295.505

■ 31, 5.072, 106.838

■ 11, 30.551,
297.480

■ 34, 8.896, 106.159

■ 36, 12.607,
105.563

■ 8, 35.599, 299.583

■ 6, 40.055, 301.186

■ 39, 16.212,
105.038

■ 5, 43.368, 301.569

■ 4, 44.244, 301.567

■ 41, 19.716,
104.575

■ 44, 23.125,
104.164

Harmonies

Complementary

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



21, 11.515, 290.766



27, 10.956, 105.439

Rectangle

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



21, 11.515, 290.766



21, 11.515, 340.766



21, 11.515, 110.766



21, 11.515, 160.766

Sweetspot

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



21, 11.514, 290.765



34, 4.107, 288.652



27, 7.614, 192.229



16, 2.876, 288.731



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, 11.514, 290.765



26, 17.705, 291.741



21, 12.657, 307.950



11, 2.285, 288.668



9, 62.635, 304.885



29, 119.181, 305.758

Inverse Universe

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



22, 8.754, 16.917



28, 13.576, 17.714



27, 12.187, 125.547



12, 1.691, 15.271



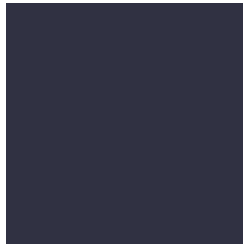
18, 47.221, 33.055



47, 92.742, 38.250

Previews

White Background



This preview shows how the CIE LCh color 21, 11.515, 290.766 looks on a white background.

Color Contrast Check

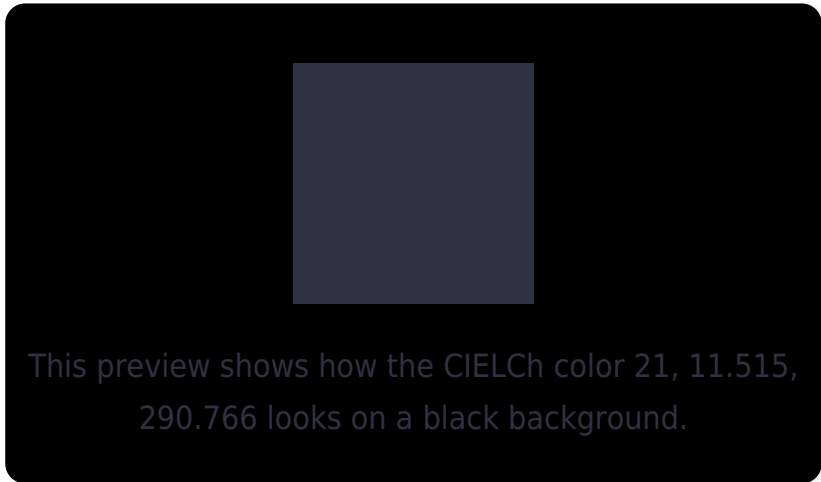
Large Text (above 18pt) WCAG AA ✓ Pass

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

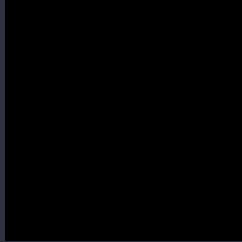
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 11.515, 290.766

Background



This preview shows how black text looks on a background with the CIELCh color 21, 11.515, 290.766.



This preview shows how white text looks on a background with the CIELCh color 21, 11.515, 290.766.

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, 11.515, 290.766

Protanopia

21, 11.557, 284.775

Deuteranopia

21, 10.852, 286.158



Tritanopia
21, 3.451, 250.983

Trichromacy



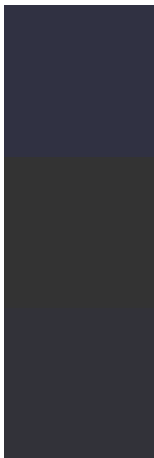
Original Color
21, 11.515, 290.766

Protanomaly
21, 11.519, 286.728

Deuteranomaly
21, 10.852, 286.158

Tritanomaly
21, 6.198, 279.559

Monochromacy



Original Color
21, 11.515, 290.766

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 4.737, 291.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 11.515, 290.766 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(48, 49, 66)` looks like.

```
.text, #text, p{  
    color:rgb(48, 49, 66)  
}
```

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(48, 49, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 49, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 11.515, 290.766 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(48, 49, 66) }
```

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

```
.border{ border-color:rgb(48, 49, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 49, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 49, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 49, 66);  
box-shadow:4px 4px 4px 4px rgb(48, 49, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 11.515, 290.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 49, 66) }
```

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

```
.background{ background-color: rgb(48, 49,  
66) }
```

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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