

Converting Colors

CIELCh(21, 3.262, 143.549)

Have a look what the booklet for
CIELCh(21, 3.262, 143.549) contains.

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Color

CIELCh(21, 3.296, 144.102)

Conversions

Conversions Part 1

Format	Color
Hex	303430
RGB	48, 52, 48
RGB Percent	19%, 20%, 19%
CMY	0.8134, 0.7978, 0.8134
CMYK	0.08, 0.00, 0.08, 0.80
HSL	120°, 4%, 19%
HSV	120°, 8%, 20%
XYZ	2.9321, 3.2451, 3.2219
YIQ	50.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

Format	Color
R_{YB}	48, 52, 52
Decimal	3159088
CIE Lab	21.00, -2.67, 1.93
CIE LCh	21, 3.296, 144.102
Yxy	3.2451, 0.3120, 0.3453
Android (android.graphics.Color)	4281349168 (0xFF303430)
YUV	50.3480, -1.1576, -2.0592
Hunter-Lab	18.0142, -2.4716, 2.0058

Details

The CIELCh color **21, 3.296, 144.102** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 3.304, 324.770**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 2.957, 144.280**, and **1, 2.954, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 7.593, 143.541**, and if you desaturate by 10%, it is **22, 0.956, 324.440**.

Distribution



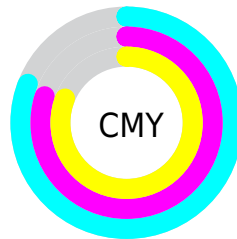
- Red (19%)
- Green (20%)
- Blue (19%)



- Red (19%)
- Yellow (20%)
- Blue (20%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (80%)



- Cyan (81%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 3.296, 144.102 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, 3.296, 144.102 by changing the saturation by 10% instead.

■ 21, 3.296, 144.102

■ 21, 3.296, 144.102

■ 100, 3.296,
144.102

■ 11, 3.296, 144.102

■ 41, 3.296, 144.102

■ 1, 3.296, 144.102

■ 51, 3.296, 144.102

■ 0, 3.296, 144.102

■ 61, 3.296, 144.102

■ 71, 3.296, 144.102

■ 81, 3.296, 144.102

■ 91, 3.296, 144.102

■ 21, 3.296, 144.102

■ 21, 3.296, 144.102

■ 20, 7.593, 143.541

■ 22, 0.956, 324.440

■ 20, 11.895,
142.913

■ 22, 5.137, 324.936

■ 19, 16.154,
142.203

■ 23, 9.230, 325.301

■ 19, 20.309,
141.406

■ 24, 13.220,
325.614

■ 19, 24.283,
140.530

■ 25, 17.102,
325.886

■ 18, 27.980,
139.602

■ 26, 20.872,
326.122

■ 18, 31.120,
139.025

■ 27, 24.530,
326.328

■ 18, 33.764,
138.777

■ 27, 28.078,
326.509

■ 18, 36.467,
138.699

■ 28, 31.520,
326.667

Harmonies

Complementary

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



21, 3.296, 144.102



20, 3.304, 324.770

Rectangle

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



21, 3.296, 144.102



21, 3.296, 194.102



21, 3.296, 324.102



21, 3.296, 14.102

Sweetspot

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



21, 3.297, 144.102



28, 1.044, 144.460



21, 2.682, 109.547



13, 0.580, 144.495



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



21, 3.297, 144.102



27, 4.734, 144.010



21, 2.301, 163.184



9, 2.328, 144.103



32, 55.682, 136.018



76, 105.947, 136.017

Inverse Universe

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



20, 3.304, 324.770



26, 4.742, 324.853



20, 2.324, 344.118



8, 2.334, 324.792



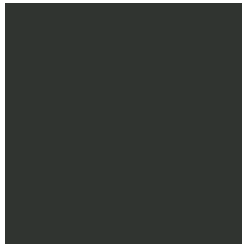
19, 53.723, 328.237



52, 102.214, 328.237

Previews

White Background



This preview shows how the CIELCh color 21, 3.296, 144.102 looks on a white background.

Color Contrast Check

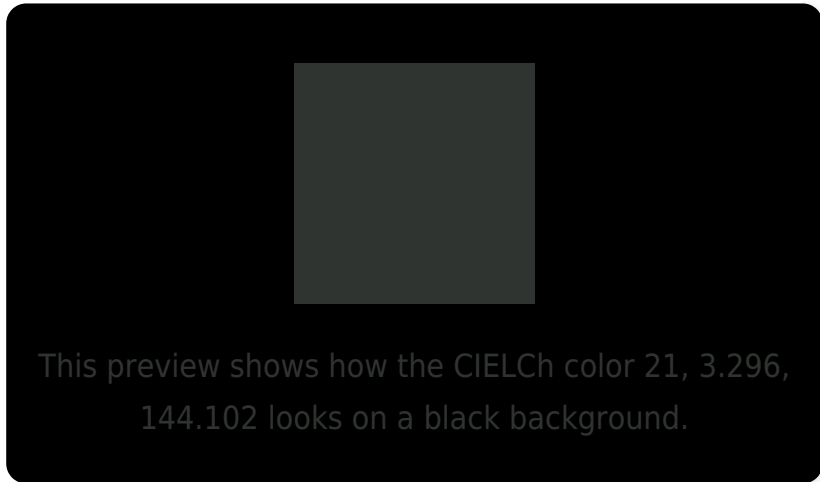
Large Text (above 18pt) WCAG AA ✓ Pass

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

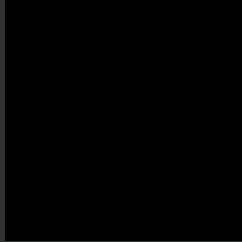
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

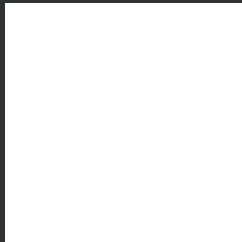
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 3.296, 144.102

Background



This preview shows how black text looks on a background with the CIELCh color 21, 3.296, 144.102.

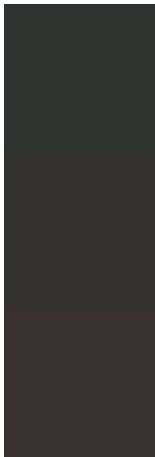


This preview shows how white text looks on a background with the CIELCh color 21, 3.296, 144.102.

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

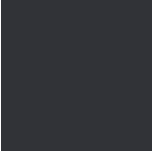
21, 3.296, 144.102

Protanopia

21, 2.229, 84.351

Deuteranopia

21, 3.422, 31.320



Tritanopia
21, 2.829, 272.367

Trichromacy



Original Color

21, 3.296, 144.102

Protanomaly

21, 2.737, 119.510

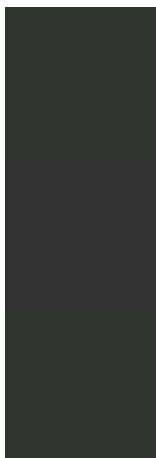
Deuteranomaly

21, 1.955, 63.000

Tritanomaly

21, 1.513, 225.874

Monochromacy



Original Color

21, 3.296, 144.102

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 1.648, 144.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 3.296, 144.102 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, 52, 48)` looks like.

```
.text, #text, p{  
    color:rgb(48, 52, 48)  
}
```

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, 52, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 52, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 3.296, 144.102 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, 52, 48) }
```

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

```
.border{ border-color:rgb(48, 52, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 52, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 52, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 52, 48);  
box-shadow:4px 4px 4px 4px rgb(48, 52, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 3.296, 144.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 52, 48) }
```

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

```
.background{ background-color: rgb(48, 52,  
48) }
```

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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