

Converting Colors

CIELCh(21, 5.092, 297.391)

Have a look what the booklet for
CIELCh(21, 5.092, 297.391) contains.

CIELCh(21, 4.764, 296.622)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(21, 4.764, 296.622)

Conversions

Conversions Part 1

Format	Color
Hex	333239
RGB	51, 50, 57
RGB Percent	20%, 20%, 22%
CMY	0.8011, 0.8051, 0.7776
CMYK	0.11, 0.12, 0.00, 0.78
HSL	249°, 7%, 21%
HSV	249°, 12%, 22%
XYZ	3.2099, 3.2451, 4.2894
YIQ	51.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

Format	Color
R_{YB}	51, 50, 57
Decimal	3355193
CIE _{Lab}	21.00, 2.13, -4.26
CIE _{LCh}	21, 4.764, 296.622
Yxy	3.2451, 0.2988, 0.3020
Android (android.graphics.Color)	4281545273 (0xFF333239)
YUV	51.0970, 2.9102, -0.0851
Hunter-Lab	18.0142, 0.2816, -1.5076

Details

The CIELCh color **21, 4.764, 296.622** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 4.652, 114.984**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 4.883, 295.669**, and **1, 4.666, 297.003** is the 20% darker color. If you saturate the color by 10%, you get **19, 8.770, 297.408**, and if you desaturate by 10%, it is **23, 0.889, 295.928**.

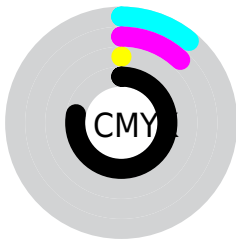
Distribution



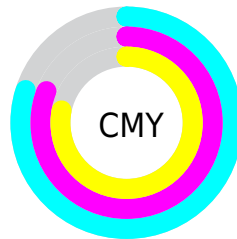
- Red (20%)
- Green (20%)
- Blue (22%)



- Red (20%)
- Yellow (20%)
- Blue (22%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (78%)



- Cyan (80%)
- Magenta (81%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 4.764, 296.622 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, 4.764, 296.622 by changing the saturation by 10% instead.

■ 21, 4.764, 296.622

■ 21, 4.764, 296.622

100, 4.764,
296.622

■ 11, 4.764, 296.622

■ 41, 4.764, 296.622

■ 1, 4.764, 296.622

■ 51, 4.764, 296.622

■ 0, 4.764, 296.622

■ 61, 4.764, 296.622

■ 71, 4.764, 296.622

■ 81, 4.764, 296.622

■ 91, 4.764, 296.622

■ 21, 4.764, 296.622

■ 21, 4.764, 296.622

■ 19, 8.770, 297.408

■ 23, 0.889, 295.928

■ 16, 12.916,
298.303

■ 26, 2.859, 115.313

■ 14, 17.200,
299.310

■ 28, 6.488, 114.780

■ 12, 21.615,
300.430

■ 30, 10.004,
114.313

■ 10, 26.131,
301.648

■ 32, 13.415,
113.903

■ 7, 30.621, 302.850

■ 35, 16.726,
113.543

■ 6, 34.067, 302.997

■ 37, 19.944,
113.226

■ 4, 36.768, 302.627

■ 39, 23.073,
112.948

■ 3, 38.705, 302.295

■ 41, 26.119,
112.703

Harmonies

Complementary

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



21, 4.764, 296.622



24, 4.652, 114.984

Rectangle

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



21, 4.764, 296.622



21, 4.764, 346.622



21, 4.764, 116.622



21, 4.764, 166.622

Sweetspot

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



21, 4.763, 296.618



30, 1.906, 296.048



23, 2.751, 212.115



14, 1.368, 296.073



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, 4.763, 296.618



27, 7.274, 296.875



21, 5.153, 314.012



9, 2.106, 296.329



8, 62.472, 307.250



28, 118.460, 306.785

Inverse Universe

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



22, 5.175, 329.209



28, 7.871, 329.389



23, 5.098, 133.152



9, 2.298, 328.992



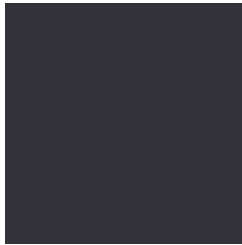
19, 49.361, 334.356



50, 92.118, 334.952

Previews

White Background



This preview shows how the CIELCh color 21, 4.764, 296.622 looks on a white background.

Color Contrast Check

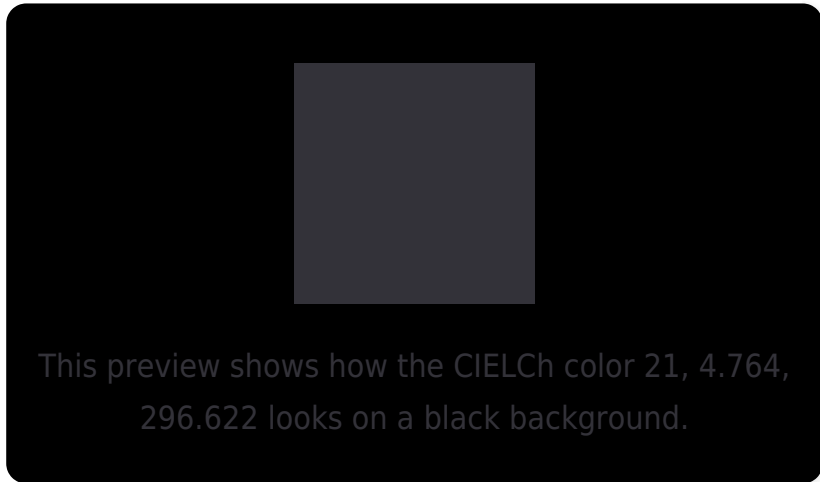
Large Text (above 18pt) WCAG AA ✓ Pass

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

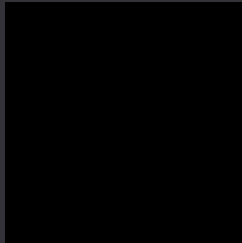
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

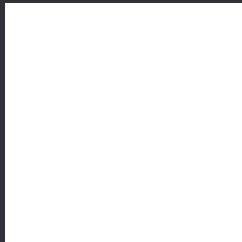
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 4.764, 296.622

Background



This preview shows how black text looks on a background with the CIELCh color 21, 4.764, 296.622.

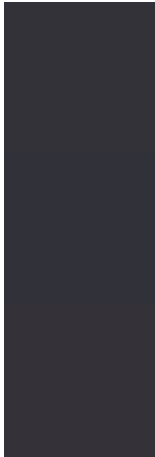


This preview shows how white text looks on a background with the CIELCh color 21, 4.764, 296.622.

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, 4.764, 296.622

Protanopia

21, 4.750, 285.953

Deuteranopia

21, 5.605, 305.223



Tritanopia
21, 2.709, 290.815

Trichromacy



Original Color

21, 4.764, 296.622

Protanomaly

21, 4.737, 291.274

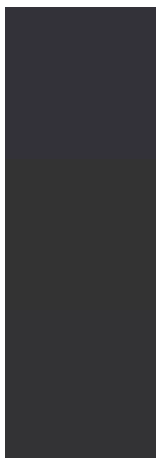
Deuteranomaly

21, 5.605, 305.223

Tritanomaly

21, 3.385, 290.969

Monochromacy



Original Color

21, 4.764, 296.622

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 1.352, 290.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 4.764, 296.622 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(51, 50, 57)` looks like.

```
.text, #text, p{  
    color:rgb(51, 50, 57)  
}
```

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(51, 50, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 50, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 4.764, 296.622 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(51, 50, 57) }
```

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

```
.border{ border-color:rgb(51, 50, 57) }
```

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

Here you see how a box with a 4 pixel rgb(51, 50, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 50, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 50, 57);  
box-shadow:4px 4px 4px 4px rgb(51, 50, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 4.764, 296.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 50, 57) }
```

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

```
.background{ background-color: rgb(51, 50,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor