

Converting Colors

CIELCh(21, 47.564, 26.462)

Have a look what the booklet for
CIELCh(21, 47.564, 26.462) contains.

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Color

CIELCh(21, 47.349, 26.404)

Conversions

Conversions Part 1

Format	Color
Hex	6B0216
RGB	107, 2, 22
RGB Percent	42%, 1%, 9%
CMY	0.5796, 0.9911, 0.9132
CMYK	0.00, 0.98, 0.79, 0.58
HSL	349°, 96%, 21%
HSV	349°, 98%, 42%
XYZ	6.2573, 3.2451, 1.0624
YIQ	35.6750, 56.1600, 28.4800

Conversions

Conversions Part 2

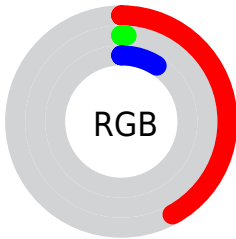
Format	Color
RYB	107, 2, 22
Decimal	7012886
CIELab	21.00, 42.41, 21.06
CIElCh	21, 47.349, 26.404
Yxy	3.2451, 0.5923, 0.3072
Android (android.graphics.Color)	4285202966 (0xFF6B0216)
YUV	35.6750, -6.7418, 62.5520
Hunter-Lab	18.0142, 30.4778, 9.1133

Details

The CIELCh color **21, 47.349, 26.404** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 31.716, 173.199**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 47.685, 26.536**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 48.217, 27.215**, and if you desaturate by 10%, it is **22, 43.487, 22.079**.

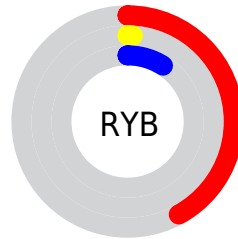
Distribution



Red (42%)

Green (1%)

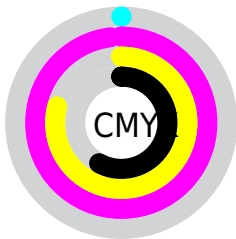
Blue (9%)



Red (42%)

Yellow (1%)

Blue (9%)

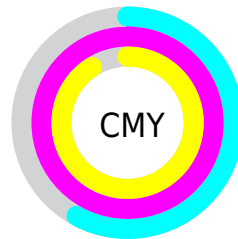


Cyan (0%)

Magenta (98%)

Yellow (79%)

Black (58%)



Cyan (58%)

Magenta (99%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 47.349, 26.404 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, 47.349, 26.404 by changing the saturation by 10% instead.

■ 21, 47.349, 26.404

■ 21, 47.349, 26.404

■ 100, 47.349,
26.404

■ 11, 47.349, 26.404

■ 41, 47.349, 26.404

■ 1, 47.349, 26.404

■ 51, 47.349, 26.404

■ 0, 47.349, 26.404

■ 61, 47.349, 26.404

■ 71, 47.349, 26.404

■ 81, 47.349, 26.404

■ 91, 47.349, 26.404

■ 21, 47.349, 26.404

■ 21, 47.349, 26.404

21, 48.217, 27.215

22, 43.487, 22.079

23, 39.345, 18.044

25, 34.665, 14.747

28, 29.581, 12.104

30, 24.276, 9.988

33, 18.922, 8.277

36, 13.654, 6.872

39, 8.557, 5.693

43, 3.681, 4.657

Harmonies

Complementary

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



21, 47.349, 26.404



40, 31.716, 173.199

Rectangle

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



21, 47.349, 26.404



21, 47.349, 76.404



21, 47.349, 206.404



21, 47.349, 256.404

Sweetspot

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



21, 47.347, 26.406



47, 17.772, 7.122



20, 61.471, 321.080



22, 12.373, 7.568



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



21, 47.347, 26.406



29, 59.285, 28.911



25, 46.735, 47.817



21, 2.626, 4.766



23, 51.658, 27.834



51, 91.596, 31.259

Inverse Universe

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



21, 47.347, 26.406



29, 59.285, 28.911



30, 24.980, 252.545



21, 2.626, 4.766



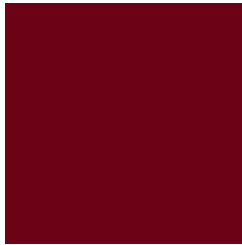
23, 51.658, 27.834



51, 91.596, 31.259

Previews

White Background



This preview shows how the CIELCh color 21, 47.349, 26.404 looks on a white background.

Color Contrast Check

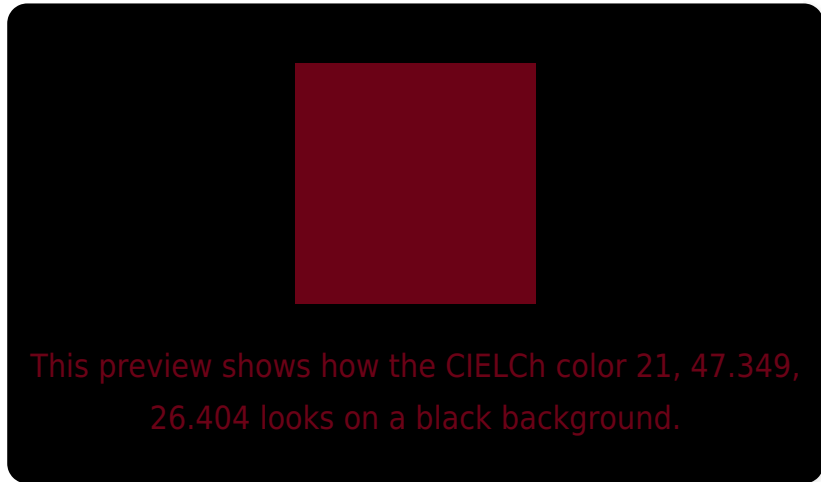
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.349, 26.404

Background



This preview shows how black text looks on a background with the CIELCh color 21, 47.349, 26.404.



This preview shows how white text looks on a background with the CIELCh color 21, 47.349, 26.404.

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, 47.349, 26.404

Protanopia

23, 13.463, 96.107

Deuteranopia

23, 25.356, 84.284



Tritanopia
21, 50.855, 38.227

Trichromacy



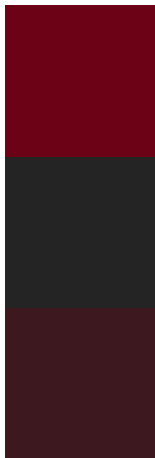
Original Color
21, 47.349, 26.404

Protanomaly
20, 22.952, 33.003

Deuteranomaly
20, 29.930, 44.966

Tritanomaly
21, 49.732, 34.843

Monochromacy



Original Color
21, 47.349, 26.404

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 19.876, 12.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 47.349, 26.404 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(107, 2, 22)` looks like.

```
.text, #text, p{  
    color:rgb(107, 2, 22)  
}
```

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(107, 2, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 2, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 47.349, 26.404 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(107, 2, 22) }
```

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

```
.border{ border-color:rgb(107, 2, 22) }
```

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

Here you see how a box with a 4 pixel rgb(107, 2, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 2, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 2, 22);  
box-shadow:4px 4px 4px 4px rgb(107, 2, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 47.349, 26.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 2, 22) }
```

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

```
.background{ background-color: rgb(107, 2,  
22) }
```

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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