

Converting Colors

CIELCh(21, 27.979, 329.417)

Have a look what the booklet for
CIELCh(21, 27.979, 329.417)
contains.

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Color

CIELCh(21, 28.388, 329.228)

Conversions

Conversions Part 1

Format	Color
Hex	4B2448
RGB	75, 36, 72
RGB Percent	29%, 14%, 28%
CMY	0.7052, 0.8582, 0.7170
CMYK	0.00, 0.52, 0.04, 0.71
HSL	305°, 35%, 22%
HSV	305°, 52%, 29%
XYZ	4.7270, 3.2451, 6.5379
YIQ	51.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

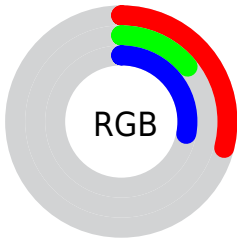
Format	Color
RYB	75, 36, 72
Decimal	4924488
CIELab	21.00, 24.39, -14.52
CIElCh	21, 28.388, 329.228
Yxy	3.2451, 0.3258, 0.2236
Android (android.graphics.Color)	4283114568 (0xFF4B2448)
YUV	51.7650, 9.9759, 20.3771
Hunter-Lab	18.0142, 15.3146, -8.9082

Details

The CIELCh color **21, 28.388, 329.228** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 28.514, 142.753**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 28.808, 328.969**, and **4, 21.461, 330.800** is the 20% darker color. If you saturate the color by 10%, you get **19, 33.125, 329.700**, and if you desaturate by 10%, it is **23, 23.218, 328.733**.

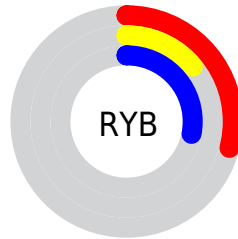
Distribution



Red (29%)

Green (14%)

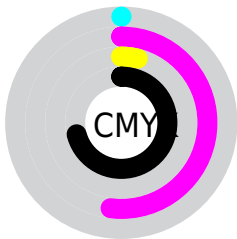
Blue (28%)



Red (29%)

Yellow (14%)

Blue (28%)

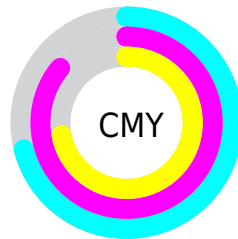


Cyan (0%)

Magenta (52%)

Yellow (4%)

Black (71%)



Cyan (71%)

Magenta (86%)


Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 28.388, 329.228 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, 28.388, 329.228 by changing the saturation by 10% instead.

 21, 28.388,
329.228

 21, 28.388,
329.228

 100, 28.388,
329.228

 11, 28.388,
329.228

 41, 28.388,
329.228


 1, 28.388, 329.228

 51, 28.388,
329.228

 0, 28.388, 329.228

 61, 28.388,
329.228

 71, 28.388,
329.228

 81, 28.388,
329.228

 91, 28.388,

329.228

■ 21, 28.388,
329.228

■ 21, 28.388,
329.228

■ 19, 33.125,
329.700

■ 23, 23.218,
328.733

■ 18, 37.248,
330.143

■ 25, 17.783,
328.221

■ 17, 40.576,
330.552

■ 27, 12.214,
327.701

■ 16, 43.129,
330.930

■ 29, 6.611, 327.175

■ 15, 45.239,
331.223

■ 32, 1.048, 326.554

■ 34, 4.429, 146.216

■ 36, 9.788, 145.716

■ 39, 15.012,
145.245

■ 41, 20.093,
144.797

Harmonies

Complementary

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



21, 28.388, 329.228



28, 28.514, 142.753

Rectangle

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



21, 28.388, 329.228



21, 28.388, 19.228



21, 28.388, 149.228



21, 28.388, 199.228

Sweetspot

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



21, 28.387, 329.228



37, 10.999, 327.423



17, 27.205, 298.581



17, 7.328, 327.470



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



21, 28.387, 329.228



26, 40.673, 329.808



20, 20.956, 352.735



14, 3.143, 327.002



22, 55.694, 331.363



53, 100.373, 331.608

Inverse Universe

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



21, 28.387, 329.228



26, 40.673, 329.808



29, 19.423, 162.466



14, 3.143, 327.002



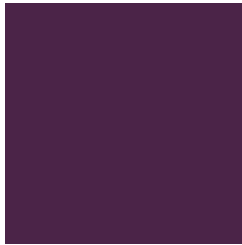
22, 55.694, 331.363



53, 100.373, 331.608

Previews

White Background



This preview shows how the CIE LCh color 21, 28.388, 329.228 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 CIE LCh color 21, 28.388, 329.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

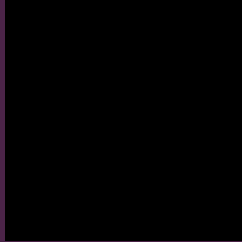
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 28.388, 329.228

Background



This preview shows how black text looks on a background with the CIELCh color 21, 28.388, 329.228.



This preview shows how white text looks on a background with the CIELCh color 21, 28.388, 329.228.

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, 28.388, 329.228

Protanopia

21, 23.062, 285.247

Deuteranopia

21, 13.552, 286.553



Tritanopia
21, 14.406, 14.865

Trichromacy



Original Color
21, 28.388, 329.228

Protanomaly
21, 23.905, 301.523

Deuteranomaly
21, 18.349, 309.403

Tritanomaly
21, 17.650, 349.408

Monochromacy



Original Color
21, 28.388, 329.228

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 10.827, 327.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 28.388, 329.228 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(75, 36, 72)` looks like.

```
.text, #text, p{  
    color:rgb(75, 36, 72)  
}
```

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(75, 36, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 36, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 28.388, 329.228 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(75, 36, 72) }
```

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

```
.border{ border-color:rgb(75, 36, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 36, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 36, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 36, 72);  
box-shadow:4px 4px 4px 4px rgb(75, 36, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 28.388, 329.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 36, 72) }
```

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

```
.background{ background-color: rgb(75, 36,  
72) }
```

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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