

Converting Colors

CIELCh(22, 25.942, 331.272)

Have a look what the booklet for
CIELCh(22, 25.942, 331.272)
contains.

CIELCh(22, 25.461, 331.958)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(22, 25.461, 331.958)

Conversions

Conversions Part 1

Format	Color
Hex	4D2847
RGB	77, 40, 71
RGB Percent	30%, 16%, 28%
CMY	0.6992, 0.8442, 0.7227
CMYK	0.00, 0.48, 0.08, 0.70
HSL	310°, 32%, 23%
HSV	310°, 48%, 30%
XYZ	4.9139, 3.5154, 6.3322
YIQ	54.5970, 12.1010, 17.4850

Conversions

Conversions Part 2

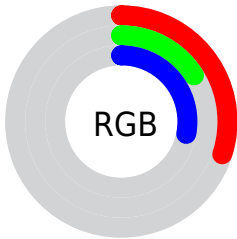
Format	Color
RYB	77, 40, 71
Decimal	5056583
CIELab	22.00, 22.47, -11.97
CIElCh	22, 25.461, 331.958
Yxy	3.5154, 0.3329, 0.2381
Android (android.graphics.Color)	4283246663 (0xFF4D2847)
YUV	54.5970, 8.0867, 19.6474
Hunter-Lab	18.7494, 13.9698, -6.8993




Details

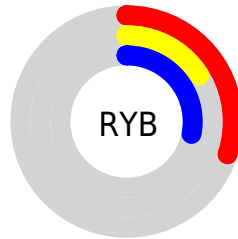
The CIELCh color **22, 25.461, 331.958** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **29, 25.475, 145.616**, and the grayscale version is **23, 0.004, 296.813**.




A 20% lighter version of the original color is **42, 25.566, 332.341**, and **4, 21.323, 333.555** is the 20% darker color. If you saturate the color by 10%, you get **20, 30.184, 332.551**, and if you desaturate by 10%, it is **24, 20.380, 331.371**.

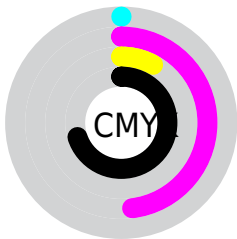
Distribution







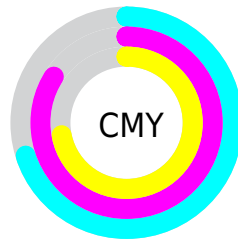
-  Red (30%)
-  Green (16%)
-  Blue (28%)






-  Red (30%)
-  Yellow (16%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (48%)
-  Yellow (8%)
-  Black (70%)





-  Cyan (70%)
-  Magenta (84%)
-  Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 25.461, 331.958 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 22, 25.461, 331.958 by changing the saturation by 10% instead.

 22, 25.461,
331.958


 22, 25.461,
331.958

 100, 25.461,
331.958


 12, 25.461,
331.958


 42, 25.461,
331.958


 2, 25.461, 331.958

 52, 25.461,
331.958

 0, 25.461, 331.958

 62, 25.461,
331.958

 72, 25.461,
331.958

 82, 25.461,
331.958

 92, 25.461,

331.958

■ 22, 25.461,
331.958

■ 22, 25.461,
331.958

■ 20, 30.184,
332.551

■ 24, 20.380,
331.371

■ 19, 34.371,
333.151

■ 26, 15.097,
330.790

■ 17, 37.828,
333.763

■ 28, 9.729, 330.218

■ 31, 4.364, 329.645

■ 16, 40.394,
334.397

■ 33, 0.940, 149.302

■ 15, 42.724,
335.012

■ 35, 6.144, 148.648

■ 15, 43.166,
335.117

■ 38, 11.226,
148.138

■ 40, 16.175,
147.658

■ 43, 20.985,
147.201

Harmonies

Complementary

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



22, 25.461, 331.958



29, 25.475, 145.616

Rectangle

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



22, 25.461, 331.958



22, 25.461, 21.958



22, 25.461, 151.958



22, 25.461, 201.958

Sweetspot

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



22, 25.460, 331.958



38, 9.261, 330.007



18, 25.568, 300.471



18, 6.450, 330.079



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



22, 25.460, 331.958



27, 37.118, 332.666



21, 19.155, 357.854



14, 2.961, 329.671



22, 52.317, 335.439



52, 93.880, 336.056

Inverse Universe

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



22, 25.460, 331.958



27, 37.118, 332.666



30, 17.226, 168.001



14, 2.961, 329.671



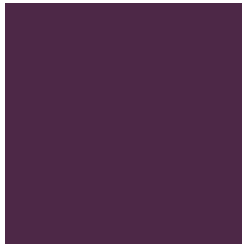
22, 52.317, 335.439



52, 93.880, 336.056

Previews

White Background



This preview shows how the CIELCh color 22, 25.461, 331.958 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 22, 25.461, 331.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

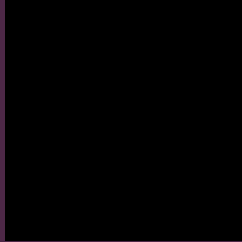
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 25.461, 331.958

Background



This preview shows how black text looks on a background with the CIELCh color 22, 25.461, 331.958.



This preview shows how white text looks on a background with the CIELCh color 22, 25.461, 331.958.

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

22, 25.461, 331.958

Protanopia

22, 19.573, 284.987

Deuteranopia

22, 11.424, 288.621



Tritanopia
22, 14.309, 14.735

Trichromacy



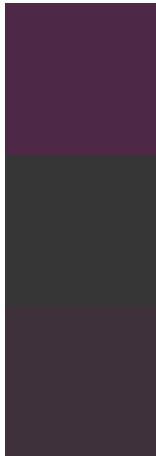
Original Color
22, 25.461, 331.958

Protanomaly
22, 19.779, 302.247

Deuteranomaly
22, 15.684, 311.922

Tritanomaly
22, 17.027, 353.239

Monochromacy



Original Color
22, 25.461, 331.958

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 9.442, 330.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 25.461, 331.958 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(77, 40, 71)` looks like.

```
.text, #text, p{  
    color:rgb(77, 40, 71)  
}
```

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(77, 40, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 40, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 25.461, 331.958 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(77, 40, 71) }
```

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

```
.border{ border-color:rgb(77, 40, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 40, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 40, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 40, 71);  
box-shadow:4px 4px 4px 4px rgb(77, 40, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 25.461, 331.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 40, 71) }
```

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

```
.background{ background-color: rgb(77, 40,  
71) }
```

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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