

Converting Colors

CIELCh(22, 42.451, 317.877)

Have a look what the booklet for
CIELCh(22, 42.451, 317.877)
contains.

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Color

CIELCh(22, 42.033, 317.742)

Conversions

Conversions Part 1

Format	Color
Hex	4C225F
RGB	76, 34, 95
RGB Percent	30%, 13%, 37%
CMY	0.7017, 0.8664, 0.6272
CMYK	0.20, 0.64, 0.00, 0.63
HSL	281°, 47%, 25%
HSV	281°, 64%, 37%
XYZ	5.6297, 3.5154, 11.2265
YIQ	53.5120, 5.4510, 27.8750

Conversions

Conversions Part 2

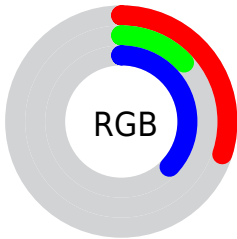
Format	Color
R_{YB}	76, 34, 95
Decimal	4989535
CIE _{Lab}	22.00, 31.11, -28.27
CIE _{LCh}	22, 42.033, 317.742
Yxy	3.5154, 0.2763, 0.1726
Android (android.graphics.Color)	4283179615 (0xFF4C225F)
YUV	53.5120, 20.4536, 19.7220
Hunter-Lab	18.7494, 20.7844, -22.3762




Details

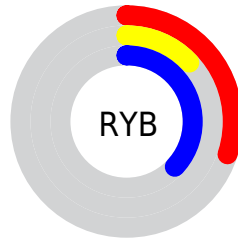
The CIELCh color **22, 42.033, 317.742** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **36, 40.249, 132.396**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **42, 42.178, 317.811**, and **5, 34.135, 315.707** is the 20% darker color. If you saturate the color by 10%, you get **20, 47.590, 317.896**, and if you desaturate by 10%, it is **25, 35.862, 317.469**.

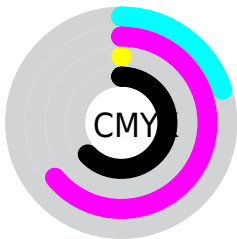
Distribution







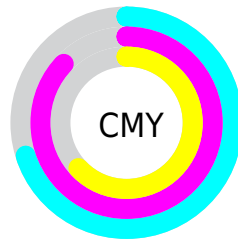
-  Red (30%)
-  Green (13%)
-  Blue (37%)






-  Red (30%)
-  Yellow (13%)
-  Blue (37%)



-  Cyan (20%)
-  Magenta (64%)
-  Yellow (0%)
-  Black (63%)



-  Cyan (70%)
-  Magenta (87%)
-  Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 42.033, 317.742 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, 42.033, 317.742 by changing the saturation by 10% instead.

■ 22, 42.033,
317.742

■ 22, 42.033,
317.742

■ 100, 42.033,
317.742

■ 12, 42.033,
317.742

■ 42, 42.033,
317.742

■ 2, 42.033, 317.742

■ 52, 42.033,
317.742

■ 0, 42.033, 317.742

■ 62, 42.033,
317.742

■ 72, 42.033,
317.742

■ 82, 42.033,
317.742

■ 92, 42.033,

317.742

■ 22, 42.033,
317.742

■ 22, 42.033,
317.742

■ 20, 47.590,
317.896

■ 25, 35.862,
317.469

■ 18, 52.234,
317.877

■ 27, 29.334,
317.120

■ 16, 55.875,
317.679

■ 30, 22.640,
316.729

■ 15, 58.085,
317.617

■ 33, 15.916,
316.321

■ 36, 9.248, 315.911

■ 39, 2.692, 315.491

■ 42, 3.719, 135.184

■ 45, 9.970, 134.818

■ 48, 16.053,
134.492

Harmonies

Complementary

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



22, 42.033, 317.742



36, 40.249, 132.396

Rectangle

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



22, 42.033, 317.742



22, 42.033, 7.742



22, 42.033, 137.742



22, 42.033, 187.742

Sweetspot

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



22, 42.032, 317.742



44, 15.351, 316.132



23, 28.049, 284.169



21, 10.483, 316.210



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



22, 42.032, 317.742



26, 59.906, 317.911



24, 38.341, 333.886



18, 3.701, 315.695



19, 65.340, 317.432



45, 114.624, 316.846

Inverse Universe

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



23, 29.828, 4.042



28, 42.582, 8.286



35, 38.842, 144.240



18, 2.544, 355.880



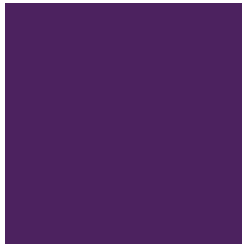
22, 47.033, 17.277



51, 83.669, 21.099

Previews

White Background



This preview shows how the CIE LCh color 22, 42.033, 317.742 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, 42.033, 317.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

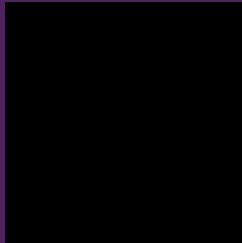
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 42.033, 317.742

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.033, 317.742.



This preview shows how white text looks on a background with the CIELCh color 22, 42.033, 317.742.

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, 42.033, 317.742

Protanopia

22, 39.118, 284.378

Deuteranopia

22, 25.559, 276.616



Tritanopia
22, 10.869, 7.716

Trichromacy



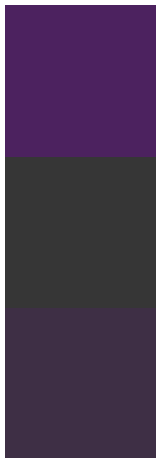
Original Color
22, 42.033, 317.742

Protanomaly
21, 40.399, 292.773

Deuteranomaly
21, 30.261, 294.788

Tritanomaly
22, 20.971, 331.718

Monochromacy



Original Color
22, 42.033, 317.742

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 16.143, 316.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 42.033, 317.742 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(76, 34, 95)` looks like.

```
.text, #text, p{  
    color:rgb(76, 34, 95)  
}
```

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(76, 34, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 34, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.033, 317.742 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(76, 34, 95) }
```

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

```
.border{ border-color:rgb(76, 34, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 34, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 34, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 34, 95);  
box-shadow:4px 4px 4px 4px rgb(76, 34, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.033, 317.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 34, 95) }
```

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

```
.background{ background-color: rgb(76, 34,  
95) }
```

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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