

Converting Colors

CIELCh(22, 48.011, 322.225)

Have a look what the booklet for
CIELCh(22, 48.011, 322.225)
contains.

CIELCh(22, 48.012, 322.317)	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, 48.012, 322.317)

Conversions

Conversions Part 1

Format	Color
Hex	551A61
RGB	85, 26, 97
RGB Percent	33%, 10%, 38%
CMY	0.6673, 0.8987, 0.6202
CMYK	0.12, 0.73, 0.00, 0.62
HSL	290°, 58%, 24%
HSV	290°, 73%, 38%
XYZ	6.2478, 3.5154, 11.6201
YIQ	51.7350, 12.3730, 34.5890

Conversions

Conversions Part 2

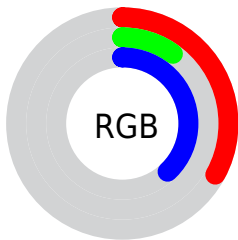
Format	Color
R_{YB}	85, 26, 97
Decimal	5577313
CIE Lab	22.00, 38.00, -29.35
CIE LCh	22, 48.012, 322.317
Yxy	3.5154, 0.2922, 0.1644
Android (android.graphics.Color)	4283767393 (0xFF551A61)
YUV	51.7350, 22.3156, 29.1734
Hunter-Lab	18.7494, 26.6694, -23.6208

Details

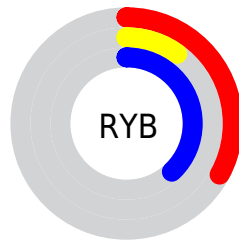
The CIELCh color **22, 48.012, 322.317** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 47.486, 135.415**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 48.165, 322.381**, and **6, 36.302, 320.119** is the 20% darker color. If you saturate the color by 10%, you get **20, 52.340, 322.352**, and if you desaturate by 10%, it is **24, 42.663, 322.146**.

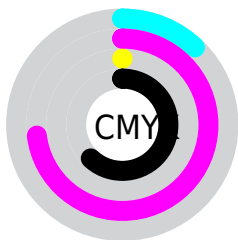
Distribution



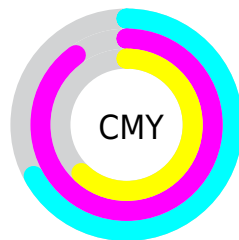
- Red (33%)
- Green (10%)
- Blue (38%)



- Red (33%)
- Yellow (10%)
- Blue (38%)



- Cyan (12%)
- Magenta (73%)
- Yellow (0%)
- Black (62%)




- Cyan (67%)
- Magenta (90%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 48.012, 322.317 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, 48.012, 322.317 by changing the saturation by 10% instead.

 22, 48.012,
322.317


 22, 48.012,
322.317

 100, 48.012,
322.317


 12, 48.012,
322.317

 42, 48.012,
322.317

 2, 48.012, 322.317

 52, 48.012,
322.317

 0, 48.012, 322.317

 62, 48.012,
322.317

 72, 48.012,
322.317

 82, 48.012,
322.317

 92, 48.012,

322.317

■ 22, 48.012,
322.317

■ 22, 48.012,
322.317

■ 20, 52.340,
322.352

■ 24, 42.663,
322.146

■ 19, 55.538,
322.238

■ 26, 36.567,
321.871

■ 18, 57.624,
322.173

■ 29, 29.981,
321.524

■ 31, 23.119,
321.129

■ 34, 16.142,
320.709

■ 37, 9.166, 320.277

■ 40, 2.269, 319.812

■ 43, 4.501, 139.486

■ 46, 11.114,
139.076

Harmonies

Complementary

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



22, 48.012, 322.317



36, 47.486, 135.415

Rectangle

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



22, 48.012, 322.317



22, 48.012, 12.317



22, 48.012, 142.317



22, 48.012, 192.317

Sweetspot

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



22, 48.011, 322.317



44, 18.774, 320.680



18, 39.696, 294.444



22, 12.723, 320.755



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



22, 48.011, 322.317



26, 65.554, 322.274



23, 39.334, 340.999



18, 3.848, 320.081



22, 63.949, 322.072



50, 111.939, 321.705

Inverse Universe

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



22, 34.467, 17.736



26, 49.657, 24.372



36, 39.866, 147.450



18, 2.396, 6.310



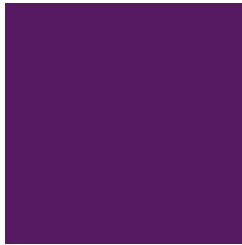
22, 50.550, 29.046



50, 91.341, 32.598

Previews

White Background



This preview shows how the CIE LCh color 22, 48.012, 322.317 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, 48.012, 322.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

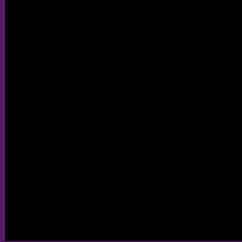
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 48.012, 322.317

Background



This preview shows how black text looks on a background with the CIELCh color 22, 48.012, 322.317.



This preview shows how white text looks on a background with the CIELCh color 22, 48.012, 322.317.

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, 48.012, 322.317

Protanopia

22, 39.118, 284.378

Deuteranopia

23, 25.510, 276.393



Tritanopia
22, 16.828, 16.599

Trichromacy



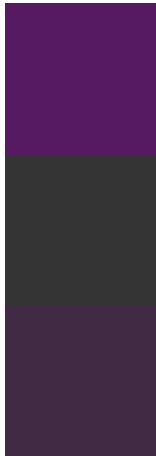
Original Color
22, 48.012, 322.317

Protanomaly
20, 42.511, 295.487

Deuteranomaly
21, 33.738, 298.873

Tritanomaly
22, 25.737, 340.426

Monochromacy



Original Color
22, 48.012, 322.317

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 19.849, 321.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 48.012, 322.317 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(85, 26, 97)` looks like.

```
.text, #text, p{  
    color:rgb(85, 26, 97)  
}
```

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(85, 26, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 26, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 48.012, 322.317 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(85, 26, 97) }
```

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

```
.border{ border-color:rgb(85, 26, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 26, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 26, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 26, 97);  
box-shadow:4px 4px 4px 4px rgb(85, 26, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 48.012, 322.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 26, 97) }
```

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

```
.background{ background-color: rgb(85, 26,  
97) }
```

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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