

Converting Colors

CIELCh(22, 35.653, 325.346)

Have a look what the booklet for
CIELCh(22, 35.653, 325.346)
contains.

CIELCh(22, 35.292, 325.254)	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, 35.292, 325.254)

Conversions

Conversions Part 1

Format	Color
Hex	502353
RGB	80, 35, 83
RGB Percent	31%, 14%, 33%
CMY	0.6868, 0.8633, 0.6751
CMYK	0.04, 0.58, 0.00, 0.68
HSL	296°, 41%, 23%
HSV	296°, 58%, 32%
XYZ	5.4487, 3.5154, 8.5462
YIQ	53.9270, 11.4120, 24.4680

Conversions

Conversions Part 2

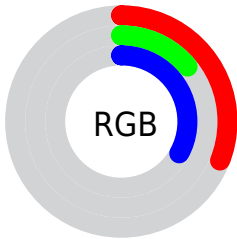
Format	Color
R_{YB}	80, 35, 83
Decimal	5251923
CIE _{Lab}	22.00, 29.00, -20.11
CIE _{LCh}	22, 35.292, 325.254
Yxy	3.5154, 0.3112, 0.2008
Android (android.graphics.Color)	4283442003 (0xFF502353)
YUV	53.9270, 14.3330, 22.8660
Hunter-Lab	18.7494, 19.0620, -13.9003




Details

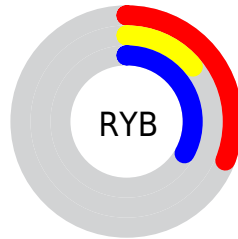
The CIELCh color **22, 35.292, 325.254** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **31, 35.293, 138.818**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **42, 35.517, 325.279**, and **5, 28.295, 325.437** is the 20% darker color. If you saturate the color by 10%, you get **20, 40.314, 325.552**, and if you desaturate by 10%, it is **24, 29.685, 324.890**.

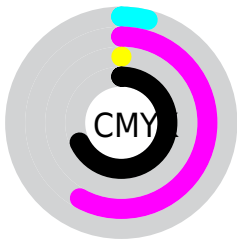
Distribution







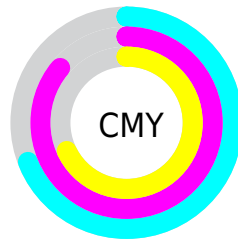
-  Red (31%)
-  Green (14%)
-  Blue (33%)






-  Red (31%)
-  Yellow (14%)
-  Blue (33%)



-  Cyan (4%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (68%)





-  Cyan (69%)
-  Magenta (86%)
-  Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 35.292, 325.254 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, 35.292, 325.254 by changing the saturation by 10% instead.

 22, 35.292,
325.254


 22, 35.292,
325.254

 100, 35.292,
325.254


 12, 35.292,
325.254


 42, 35.292,
325.254


 2, 35.292, 325.254

 52, 35.292,
325.254

 0, 35.292, 325.254

 62, 35.292,
325.254

 72, 35.292,
325.254

 82, 35.292,
325.254

 92, 35.292,

325.254

■ 22, 35.292,
325.254

■ 22, 35.292,
325.254

■ 20, 40.314,
325.552

■ 24, 29.685,
324.890

■ 19, 44.541,
325.766

■ 26, 23.695,
324.478

■ 18, 47.784,
325.880

■ 28, 17.492,
324.034

■ 17, 50.599,
325.957

■ 31, 11.204,
323.572

■ 17, 51.211,
325.978

■ 33, 4.926, 323.094

■ 36, 1.275, 142.763

■ 38, 7.358, 142.231

■ 41, 13.297,
141.792

■ 44, 19.078,
141.377

Harmonies

Complementary

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



22, 35.292, 325.254



31, 35.293, 138.818

Rectangle

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



22, 35.292, 325.254



22, 35.292, 15.254



22, 35.292, 145.254



22, 35.292, 195.254

Sweetspot

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



22, 35.291, 325.254



40, 13.134, 323.556



17, 30.942, 295.607



19, 8.686, 323.600



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



22, 35.291, 325.254



27, 50.581, 325.659



21, 26.912, 345.451



15, 3.433, 323.132



22, 60.203, 325.909



53, 107.997, 325.749

Inverse Universe

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



21, 24.359, 21.240



25, 37.063, 24.904



31, 26.027, 154.728



15, 2.024, 14.728



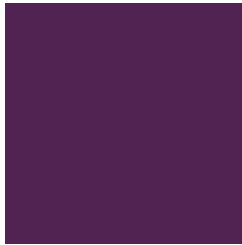
20, 50.232, 33.778



49, 94.886, 38.062

Previews

White Background



This preview shows how the CIE LCh color 22, 35.292, 325.254 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, 35.292, 325.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

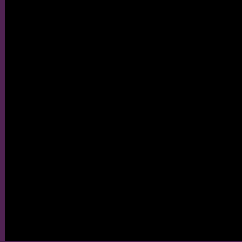
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 35.292, 325.254

Background



This preview shows how black text looks on a background with the CIELCh color 22, 35.292, 325.254.



This preview shows how white text looks on a background with the CIELCh color 22, 35.292, 325.254.

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, 35.292, 325.254

Protanopia

22, 31.604, 285.688

Deuteranopia

22, 18.329, 281.717



Tritanopia
22, 15.336, 13.104

Trichromacy



Original Color
22, 35.292, 325.254

Protanomaly
21, 31.617, 297.965

Deuteranomaly
22, 23.952, 304.172

Tritanomaly
22, 20.635, 344.721

Monochromacy



Original Color
22, 35.292, 325.254

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 13.433, 324.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 35.292, 325.254 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(80, 35, 83)` looks like.

```
.text, #text, p{  
    color:rgb(80, 35, 83)  
}
```

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(80, 35, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 35, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 35.292, 325.254 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(80, 35, 83) }
```

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

```
.border{ border-color:rgb(80, 35, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 35, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 35, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 35, 83);  
box-shadow:4px 4px 4px 4px rgb(80, 35, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 35.292, 325.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 35, 83) }
```

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

```
.background{ background-color: rgb(80, 35,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor