

Converting Colors

CIELCh(22, 45.953, 352.101)

Have a look what the booklet for
CIELCh(22, 45.953, 352.101)
contains.

CIELCh(22, 45.824, 352.352)	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, 45.824, 352.352)

Conversions

Conversions Part 1

Format	Color
Hex	6B023F
RGB	107, 2, 63
RGB Percent	42%, 1%, 25%
CMY	0.5809, 0.9928, 0.7533
CMYK	0.00, 0.98, 0.41, 0.58
HSL	325°, 97%, 21%
HSV	325°, 98%, 42%
XYZ	6.9626, 3.5154, 4.9992
YIQ	40.3490, 42.9990, 41.2310

Conversions

Conversions Part 2

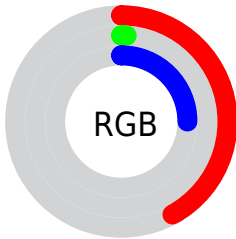
Format	Color
RYB	107, 2, 63
Decimal	7012927
CIELab	22.00, 45.42, -6.10
CIELCh	22, 45.824, 352.352
Yxy	3.5154, 0.4499, 0.2271
Android (android.graphics.Color)	4285203007 (0xFF6B023F)
YUV	40.3490, 11.1669, 58.4529
Hunter-Lab	18.7494, 33.4745, -2.6839

Details

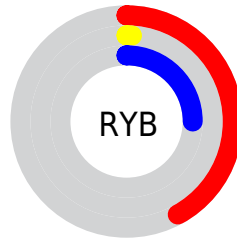
The CIELCh color **22, 45.824, 352.352** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **39, 48.914, 146.927**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 45.898, 351.907**, and **8, 28.752, 5.288** is the 20% darker color. If you saturate the color by 10%, you get **22, 46.124, 352.741**, and if you desaturate by 10%, it is **23, 44.182, 350.020**.

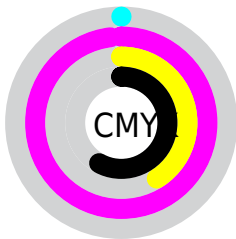
Distribution



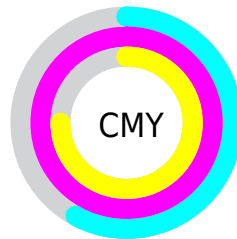
- Red (42%)
- Green (1%)
- Blue (25%)



- Red (42%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (98%)
- Yellow (41%)
- Black (58%)





- Cyan (58%)
- Magenta (99%)
- Yellow (75%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 45.824, 352.352 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, 45.824, 352.352 by changing the saturation by 10% instead.

 22, 45.824,
352.352


 22, 45.824,
352.352

 100, 45.824,
352.352


 12, 45.824,
352.352


 42, 45.824,
352.352


 2, 45.824, 352.352

 52, 45.824,
352.352

 0, 45.824, 352.352

 62, 45.824,
352.352

 72, 45.824,
352.352

 82, 45.824,
352.352

 92, 45.824,

352.352

■ 22, 45.824,
352.352

■ 22, 45.824,
352.352

■ 22, 46.124,
352.741

■ 23, 44.182,
350.020

■ 24, 41.730,
347.972

■ 26, 38.105,
346.298

■ 28, 33.532,
344.900

■ 31, 28.279,
343.704

■ 33, 22.601,
342.656

■ 36, 16.706,
341.719

■ 39, 10.746,
340.865

■ 43, 4.828, 340.064

Harmonies

Complementary

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



22, 45.824, 352.352



39, 48.914, 146.927

Rectangle

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



22, 45.824, 352.352



22, 45.824, 42.352



22, 45.824, 172.352



22, 45.824, 222.352

Sweetspot

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



22, 45.822, 352.353



46, 21.094, 341.852



14, 65.678, 310.665



22, 14.369, 342.138



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



22, 45.822, 352.353



29, 55.059, 353.660



21, 50.116, 32.965



21, 3.282, 340.118



24, 49.189, 353.098



53, 83.831, 355.177

Inverse Universe

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



22, 45.822, 352.353



29, 55.059, 353.660



40, 28.201, 185.127



21, 3.282, 340.118



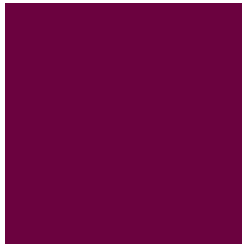
24, 49.189, 353.098



53, 83.831, 355.177

Previews

White Background



This preview shows how the CIELCh color 22, 45.824, 352.352 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, 45.824, 352.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

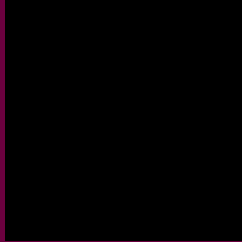
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 45.824, 352.352

Background



This preview shows how black text looks on a background with the CIELCh color 22, 45.824, 352.352.



This preview shows how white text looks on a background with the CIELCh color 22, 45.824, 352.352.

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, 45.824, 352.352

Protanopia

24, 23.396, 285.136

Deuteranopia

24, 3.406, 344.309



Tritanopia
23, 40.839, 30.226

Trichromacy



Original Color
22, 45.824, 352.352

Protanomaly
20, 31.551, 317.244

Deuteranomaly
21, 24.050, 344.635

Tritanomaly
22, 40.827, 15.684

Monochromacy



Original Color
22, 45.824, 352.352

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 22.451, 344.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 45.824, 352.352 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(107, 2, 63)` looks like.

```
.text, #text, p{  
    color:rgb(107, 2, 63)  
}
```

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(107, 2, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 2, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 45.824, 352.352 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(107, 2, 63) }
```

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

```
.border{ border-color:rgb(107, 2, 63) }
```

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

Here you see how a box with a 4 pixel rgb(107, 2, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 2, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 2, 63);  
box-shadow:4px 4px 4px 4px rgb(107, 2, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 45.824, 352.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 2, 63) }
```

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

```
.background{ background-color: rgb(107, 2,  
63) }
```

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