

Converting Colors

CIELCh(40, 22.713, 72.473)

Have a look what the booklet for
CIELCh(40, 22.713, 72.473) contains.

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Color

CIELCh(40, 22.666, 72.184)

Conversions

Conversions Part 1

Format	Color
Hex	74593B
RGB	116, 89, 59
RGB Percent	45%, 35%, 23%
CMY	0.5438, 0.6498, 0.7675
CMYK	0.00, 0.23, 0.49, 0.54
HSL	32°, 32%, 34%
HSV	32°, 49%, 46%
XYZ	11.6422, 11.2510, 5.7356
YIQ	93.6530, 25.7220, -3.6060

Conversions

Conversions Part 2

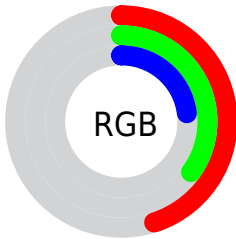
Format	Color
R_{YB}	110, 116, 59
Decimal	7625019
CIE _{Lab}	40.00, 6.93, 21.58
CIE _{LCh}	40, 22.666, 72.184
Yxy	11.2510, 0.4067, 0.3930
Android (android.graphics.Color)	4285815099 (0xFF74593B)
YUV	93.6530, -17.0839, 19.5983
Hunter-Lab	33.5425, 3.2557, 13.3414

Details

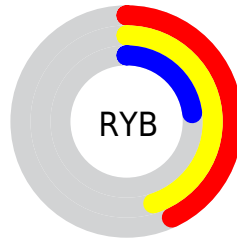
The CIELCh color **40, 22.666, 72.184** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 20.264, 266.847**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 22.418, 72.565**, and **20, 22.744, 72.533** is the 20% darker color. If you saturate the color by 10%, you get **38, 27.768, 70.898**, and if you desaturate by 10%, it is **42, 17.695, 73.451**.

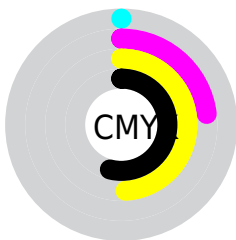
Distribution



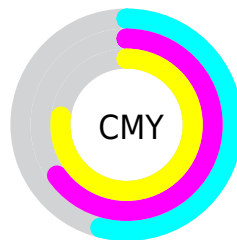
- Red (45%)
- Green (35%)
- Blue (23%)



- Red (43%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (23%)
- Yellow (49%)
- Black (54%)



- Cyan (54%)
- Magenta (65%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 22.666, 72.184 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 40, 22.666, 72.184 by changing the saturation by 10% instead.

■ 40, 22.666, 72.184

■ 40, 22.666, 72.184

■ 100, 22.666,
72.184

■ 30, 22.666, 72.184

■ 60, 22.666, 72.184

■ 20, 22.666, 72.184

■ 70, 22.666, 72.184

■ 10, 22.666, 72.184

■ 80, 22.666, 72.184

■ 0, 22.666, 72.184

■ 90, 22.666, 72.184

■ 40, 22.666, 72.184

■ 40, 22.666, 72.184

■ 38, 27.768, 70.898

■ 42, 17.695, 73.451

■ 37, 32.906, 69.549

■ 44, 12.898, 74.692

■ 35, 37.883, 68.069

■ 45, 8.284, 75.910

■ 34, 42.340, 66.309

■ 47, 3.852, 77.084

■ 32, 46.500, 64.545

■ 49, 0.411, 258.891

■ 32, 46.956, 64.425

■ 51, 4.517, 259.520

■ 53, 8.482, 260.604

■ 55, 12.321,
261.663

■ 57, 16.046,
262.684

Harmonies

Complementary

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



40, 22.666, 72.184



36, 20.264, 266.847

Rectangle

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



40, 22.666, 72.184



40, 22.666, 122.184



40, 22.666, 252.184



40, 22.666, 302.184

Sweetspot

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



40, 22.666, 72.189



59, 8.000, 76.347



33, 29.100, 349.553



30, 5.520, 76.148



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 22.666, 72.189



49, 34.338, 70.708



48, 32.501, 106.514



24, 2.417, 77.082



34, 48.753, 64.222



67, 83.377, 62.042

Inverse Universe

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



36, 20.264, 266.847



43, 29.931, 270.021



28, 36.879, 297.246



23, 2.378, 259.398



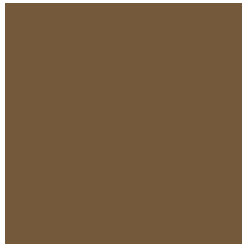
25, 42.627, 284.846



52, 76.379, 287.414

Previews

White Background



This preview shows how the CIELCh color 40, 22.666, 72.184 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 × Fail

Black Background



This preview shows how the CIE LCh color 40, 22.666, 72.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 22.666, 72.184

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.666, 72.184.



This preview shows how white text looks on a background with the CIELCh color 40, 22.666, 72.184.

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

40, 22.666, 72.184

Protanopia

40, 20.315, 94.959

Deuteranopia

40, 22.271, 75.918



Tritanopia
40, 15.330, 5.761

Trichromacy



Original Color
40, 22.666, 72.184

Protanomaly
40, 20.865, 85.631

Deuteranomaly
40, 22.548, 74.893

Tritanomaly
40, 14.833, 37.667

Monochromacy



Original Color
40, 22.666, 72.184

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 8.050, 75.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.666, 72.184 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(116, 89, 59)` looks like.

```
.text, #text, p{  
    color:rgb(116, 89, 59)  
}
```

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(116, 89, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 89, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.666, 72.184 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(116, 89, 59) }
```

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

```
.border{ border-color:rgb(116, 89, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 89, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 89, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 89, 59);  
box-shadow:4px 4px 4px 4px rgb(116, 89,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.666, 72.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 89, 59) }
```

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

```
.background{ background-color: rgb(116, 89,  
59) }
```

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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