

Converting Colors

CIELCh(40, 22.629, 56.530)

Have a look what the booklet for
CIELCh(40, 22.629, 56.530) contains.

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Color

CIELCh(40, 22.630, 56.595)

Conversions

Conversions Part 1

Format	Color
Hex	7B5640
RGB	123, 86, 64
RGB Percent	48%, 34%, 25%
CMY	0.5174, 0.6625, 0.7488
CMYK	0.00, 0.30, 0.48, 0.52
HSL	22°, 32%, 37%
HSV	22°, 48%, 48%
XYZ	12.4366, 11.2510, 6.3748
YIQ	94.5550, 29.1140, 1.0020

Conversions

Conversions Part 2

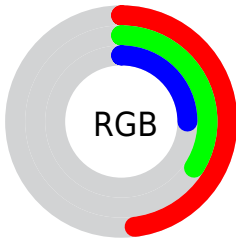
Format	Color
RYB	123, 99, 64
Decimal	8083008
CIELab	40.00, 12.46, 18.89
CIELCh	40, 22.630, 56.595
Yxy	11.2510, 0.4137, 0.3743
Android (android.graphics.Color)	4286273088 (0xFF7B5640)
YUV	94.5550, -15.0636, 24.9463
Hunter-Lab	33.5425, 7.4832, 12.2116

Details

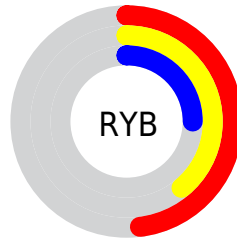
The CIELCh color **40, 22.630, 56.595** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **41, 17.737, 247.734**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 22.568, 56.946**, and **20, 22.615, 57.170** is the 20% darker color. If you saturate the color by 10%, you get **38, 28.238, 55.911**, and if you desaturate by 10%, it is **42, 17.327, 57.343**.

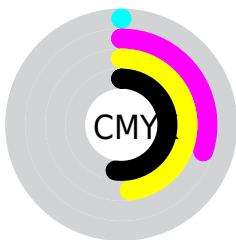
Distribution



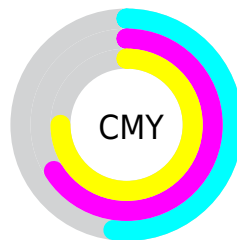
- Red (48%)
- Green (34%)
- Blue (25%)



- Red (48%)
- Yellow (39%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (48%)
- Black (52%)



- Cyan (52%)
- Magenta (66%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 22.630, 56.595 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, 22.630, 56.595 by changing the saturation by 10% instead.

■ 40, 22.630, 56.595

■ 40, 22.630, 56.595

■ 100, 22.630,
56.595

■ 30, 22.630, 56.595

■ 60, 22.630, 56.595

■ 20, 22.630, 56.595

■ 70, 22.630, 56.595

■ 10, 22.630, 56.595

■ 80, 22.630, 56.595

■ 0, 22.630, 56.595

■ 90, 22.630, 56.595

■ 40, 22.630, 56.595

■ 40, 22.630, 56.595

■ 38, 28.238, 55.911

■ 42, 17.327, 57.343

■ 36, 34.093, 55.257

■ 45, 12.345, 58.138

■ 34, 40.037, 54.569

■ 47, 7.673, 58.967

■ 32, 45.733, 53.676

■ 50, 3.291, 59.788

■ 30, 50.963, 52.644

■ 52, 0.829, 241.171

■ 30, 52.044, 52.509

■ 55, 4.712, 241.750

■ 57, 8.386, 242.617

■ 60, 11.874,
243.491

■ 62, 15.200,
244.354

Harmonies

Complementary

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



40, 22.630, 56.595



41, 17.737, 247.734

Rectangle

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



40, 22.630, 56.595



40, 22.630, 106.595



40, 22.630, 236.595



40, 22.630, 286.595

Sweetspot

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



40, 22.629, 56.600



62, 7.358, 59.269



36, 32.542, 341.019



32, 5.149, 59.117



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 22.629, 56.600



49, 35.310, 55.814



48, 29.622, 99.050



24, 2.330, 59.701



30, 52.701, 52.496



61, 90.755, 50.684

Inverse Universe

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



41, 17.737, 247.734



50, 25.839, 250.680



32, 32.338, 291.210



25, 2.244, 241.568



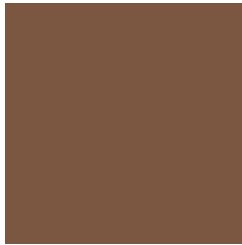
32, 32.145, 266.558



63, 56.194, 269.507

Previews

White Background



This preview shows how the CIELCh color 40, 22.630, 56.595 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 CIELCh color 40, 22.630, 56.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

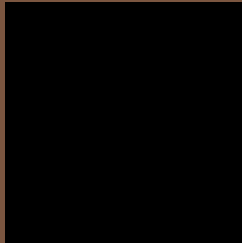
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 22.630, 56.595

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.630, 56.595.



This preview shows how white text looks on a background with the CIELCh color 40, 22.630, 56.595.

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, 22.630, 56.595

Protanopia

40, 16.147, 94.430

Deuteranopia

40, 19.910, 74.167



Tritanopia
40, 18.795, 11.265

Trichromacy



Original Color
40, 22.630, 56.595

Protanomaly
40, 17.209, 76.607

Deuteranomaly
40, 20.986, 68.048

Tritanomaly
40, 18.485, 29.389

Monochromacy



Original Color
40, 22.630, 56.595

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 7.553, 59.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.630, 56.595 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(123, 86, 64)` looks like.

```
.text, #text, p{  
    color:rgb(123, 86, 64)  
}
```

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(123, 86, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 86, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.630, 56.595 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(123, 86, 64) }
```

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

```
.border{ border-color:rgb(123, 86, 64) }
```

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

Here you see how a box with a 4 pixel rgb(123, 86, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 86, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 86, 64);  
box-shadow:4px 4px 4px 4px rgb(123, 86,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.630, 56.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 86, 64) }
```

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

```
.background{ background-color: rgb(123, 86,  
64) }
```

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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