

Converting Colors

CIELCh(42, 52.947, 71.174)

Have a look what the booklet for
CIELCh(42, 52.947, 71.174) contains.

CIELCh(42, 53.160, 71.206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 53.160, 71.206)

Conversions

Conversions Part 1

Format	Color
Hex	8E5701
RGB	142, 87, 1
RGB Percent	56%, 34%, 0%
CMY	0.4443, 0.6598, 0.9973
CMYK	0.00, 0.39, 1.00, 0.44
HSL	37°, 99%, 28%
HSV	37°, 100%, 56%
XYZ	14.4937, 12.5000, 1.6683
YIQ	93.6410, 60.3860, -15.0860

Conversions

Conversions Part 2

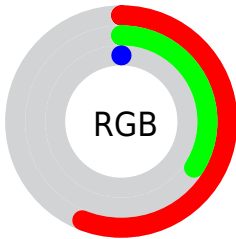
Format	Color
R_{YB}	91, 142, 1
Decimal	9328385
CIE _{Lab}	42.00, 17.13, 50.33
CIE _{LCh}	42, 53.160, 71.206
Yxy	12.5000, 0.5057, 0.4361
Android (android.graphics.Color)	4287518465 (0xFF8E5701)
YUV	93.6410, -45.6720, 42.4108
Hunter-Lab	35.3553, 11.3030, 21.9511

Details

The CIELCh color **42, 53.160, 71.206** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **26, 55.885, 292.082**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 53.431, 71.174**, and **22, 36.647, 60.462** is the 20% darker color. If you saturate the color by 10%, you get **42, 53.345, 71.117**, and if you desaturate by 10%, it is **43, 49.670, 73.393**.

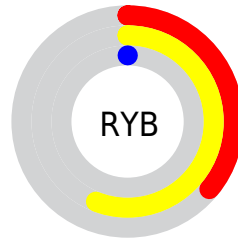
Distribution



Red (56%)

Green (34%)

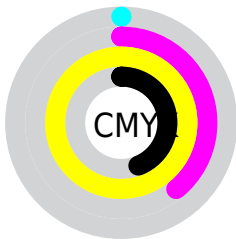
Blue (0%)



Red (36%)

Yellow (56%)

Blue (0%)

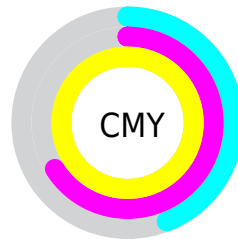


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 53.160, 71.206 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 42, 53.160, 71.206 by changing the saturation by 10% instead.

■ 42, 53.160, 71.206

■ 42, 53.160, 71.206

■ 100, 53.160,
71.206

■ 32, 53.160, 71.206

■ 62, 53.160, 71.206

■ 22, 53.160, 71.206

■ 72, 53.160, 71.206

■ 12, 53.160, 71.206

■ 82, 53.160, 71.206

■ 2, 53.160, 71.206

■ 92, 53.160, 71.206

■ 0, 53.160, 71.206

■ 42, 53.160, 71.206

■ 42, 53.160, 71.206

■ 42, 53.345, 71.117

■ 43, 49.670, 73.393

■ 45, 45.246, 75.341

■ 47, 39.881, 76.995

■ 48, 34.069, 78.496

■ 50, 28.114, 79.915

■ 52, 22.180, 81.284

■ 53, 16.350, 82.615

■ 55, 10.660, 83.908

■ 57, 5.124, 85.149

Harmonies

Complementary

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



42, 53.160, 71.206



26, 55.885, 292.082

Rectangle

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



42, 53.160, 71.206



42, 53.160, 121.206



42, 53.160, 251.206



42, 53.160, 301.206

Sweetspot

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



42, 53.159, 71.209



68, 20.560, 82.469



29, 54.538, 10.245



34, 14.047, 81.981



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 53.159, 71.209



54, 64.607, 70.371



56, 62.889, 108.830



29, 3.057, 85.189



40, 51.537, 71.272



1, 2.046, 86.352

Inverse Universe

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



26, 55.885, 292.082



34, 69.515, 293.113



16, 85.547, 306.654



28, 3.038, 267.582



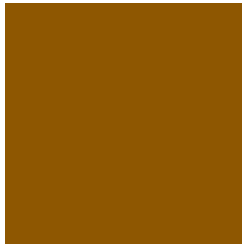
25, 54.032, 292.060



1, 2.046, 266.361

Previews

White Background



This preview shows how the CIELCh color 42, 53.160, 71.206 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 42, 53.160, 71.206 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 42, 53.160, 71.206

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.160, 71.206.



This preview shows how white text looks on a background with the CIELCh color 42, 53.160, 71.206.

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

42, 53.160, 71.206

Protanopia

42, 46.404, 95.812

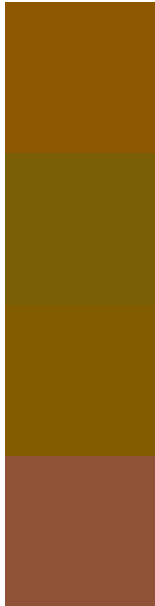
Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 28.625, 16.816

Trichromacy



Original Color
42, 53.160, 71.206

Protanomaly
42, 47.579, 85.787

Deuteranomaly
42, 50.855, 79.277

Tritanomaly
42, 34.957, 49.502

Monochromacy



Original Color
42, 53.160, 71.206

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 21.751, 80.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.160, 71.206 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(142, 87, 1)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 1)  
}
```

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(142, 87, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.160, 71.206 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(142, 87, 1) }
```

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

```
.border{ border-color:rgb(142, 87, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 87, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 1);  
box-shadow:4px 4px 4px 4px rgb(142, 87, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.160, 71.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 1) }
```

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

```
.background{ background-color: rgb(142, 87,  
1) }
```

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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