

Converting Colors

CIELCh(45, 56.054, 70.267)

Have a look what the booklet for
CIELCh(45, 56.054, 70.267) contains.

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Color

CIELCh(45, 55.986, 70.442)

Conversions

Conversions Part 1

Format	Color
Hex	995D02
RGB	153, 93, 2
RGB Percent	60%, 36%, 1%
CMY	0.4010, 0.6361, 0.9933
CMYK	0.00, 0.39, 0.99, 0.40
HSL	36°, 98%, 30%
HSV	36°, 99%, 60%
XYZ	16.9928, 14.5417, 1.9601
YIQ	100.5660, 64.9710, -15.5810

Conversions

Conversions Part 2

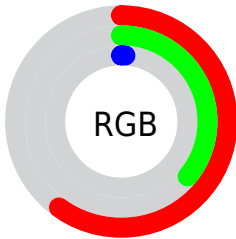
Format	Color
RYB	102, 153, 2
Decimal	10050818
CIELab	45.00, 18.74, 52.76
CIElCh	45, 55.986, 70.442
Yxy	14.5417, 0.5073, 0.4342
Android (android.graphics.Color)	4288240898 (0xFF995D02)
YUV	100.5660, -48.5930, 45.9846
Hunter-Lab	38.1336, 12.8078, 23.6460

Details

The CIELCh color **45, 55.986, 70.442** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **29, 58.278, 291.622**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 55.783, 70.258**, and **25, 40.430, 61.648** is the 20% darker color. If you saturate the color by 10%, you get **45, 56.413, 70.213**, and if you desaturate by 10%, it is **47, 52.422, 72.745**.

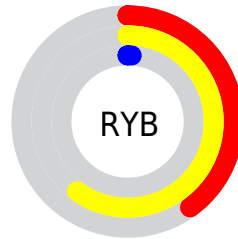
Distribution



Red (60%)

Green (36%)

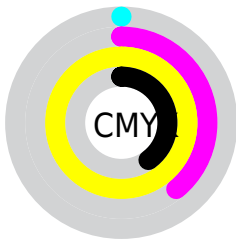
Blue (1%)



Red (40%)

Yellow (60%)

Blue (1%)

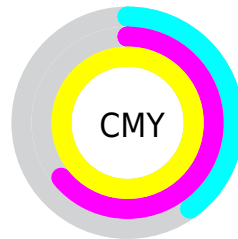


Cyan (0%)

Magenta (39%)

Yellow (99%)

Black (40%)



Cyan (40%)

Magenta (64%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 55.986, 70.442 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 45, 55.986, 70.442 by changing the saturation by 10% instead.

■ 45, 55.986, 70.442

■ 45, 55.986, 70.442

■ 100, 55.986,
70.442

■ 35, 55.986, 70.442

■ 65, 55.986, 70.442

■ 25, 55.986, 70.442

■ 75, 55.986, 70.442

■ 15, 55.986, 70.442

■ 85, 55.986, 70.442

■ 5, 55.986, 70.442

■ 95, 55.986, 70.442

■ 0, 55.986, 70.442

■ 45, 55.986, 70.442

■ 45, 55.986, 70.442

■ 45, 56.413, 70.213

■ 47, 52.422, 72.745

■ 48, 47.656, 74.708

■ 50, 41.908, 76.370

■ 52, 35.707, 77.876

■ 53, 29.373, 79.301

■ 55, 23.078, 80.676

■ 57, 16.904, 82.014

■ 59, 10.890, 83.313

■ 61, 5.045, 84.558

Harmonies

Complementary

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



45, 55.986, 70.442



29, 58.278, 291.622

Rectangle

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



45, 55.986, 70.442



45, 55.986, 120.442



45, 55.986, 250.442



45, 55.986, 300.442

Sweetspot

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



45, 55.985, 70.445



73, 21.828, 81.787



32, 57.497, 10.334



37, 14.935, 81.274



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 55.985, 70.445



58, 68.666, 69.491



60, 66.302, 108.855



31, 3.216, 84.516



41, 52.988, 70.484



2, 3.410, 84.766

Inverse Universe

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



29, 58.278, 291.622



37, 73.270, 292.840



18, 90.082, 306.568



30, 3.194, 266.940



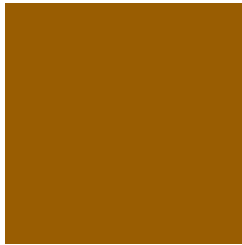
26, 54.995, 291.692



1, 3.467, 266.302

Previews

White Background



This preview shows how the CIELCh color 45, 55.986, 70.442 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 45, 55.986, 70.442 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 45, 55.986, 70.442

Background



This preview shows how black text looks on a background with the CIELCh color 45, 55.986, 70.442.



This preview shows how white text looks on a background with the CIELCh color 45, 55.986, 70.442.

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

45, 55.986, 70.442

Protanopia

45, 48.897, 95.084

Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 30.941, 16.532

Trichromacy



Original Color
45, 55.986, 70.442

Protanomaly
45, 50.245, 85.150

Deuteranomaly
45, 53.139, 79.510

Tritanomaly
45, 37.481, 48.414

Monochromacy



Original Color
45, 55.986, 70.442

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 22.498, 79.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 55.986, 70.442 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(153, 93, 2)` looks like.

```
.text, #text, p{  
    color:rgb(153, 93, 2)  
}
```

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(153, 93, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 93, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 55.986, 70.442 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(153, 93, 2) }
```

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

```
.border{ border-color:rgb(153, 93, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 93, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 93, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 93, 2);  
box-shadow:4px 4px 4px 4px rgb(153, 93, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 55.986, 70.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 93, 2) }
```

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

```
.background{ background-color: rgb(153, 93,  
2) }
```

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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