

Converting Colors

CIELCh(35, 55.616, 55.437)

Have a look what the booklet for
CIELCh(35, 55.616, 55.437) contains.

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Color

CIELCh(35, 55.688, 55.475)

Conversions

Conversions Part 1

Format	Color
Hex	8A3A00
RGB	138, 58, 0
RGB Percent	54%, 23%, 0%
CMY	0.4572, 0.7712, 0.9988
CMYK	0.00, 0.58, 1.00, 0.46
HSL	25°, 100%, 27%
HSV	25°, 100%, 54%
XYZ	12.0801, 8.4984, 1.0120
YIQ	75.3080, 66.2980, -1.0780

Conversions

Conversions Part 2

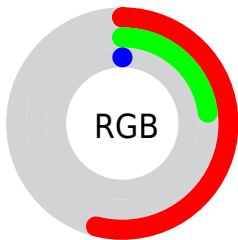
Format	Color
R _Y B	138, 100, 0
Decimal	9058816
CIE Lab	35.00, 31.56, 45.88
CIE LCh	35, 55.688, 55.475
Yxy	8.4984, 0.5595, 0.3936
Android (android.graphics.Color)	4287248896 (0xFF8A3A00)
YUV	75.3080, -37.1268, 54.9809
Hunter-Lab	29.1520, 22.9514, 18.3481

Details

The CIELCh color **35, 55.688, 55.475** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **33, 38.137, 273.692**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 56.011, 55.301**, and **15, 39.170, 35.880** is the 20% darker color. If you saturate the color by 10%, you get **35, 55.812, 55.463**, and if you desaturate by 10%, it is **37, 50.432, 56.929**.

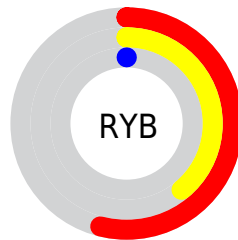
Distribution



Red (54%)

Green (23%)

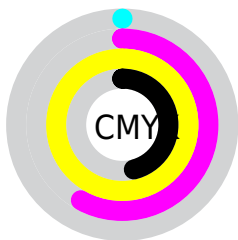
Blue (0%)



Red (54%)

Yellow (39%)

Blue (0%)

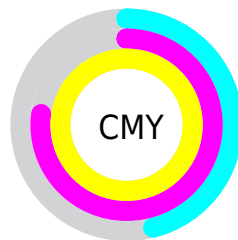


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 55.688, 55.475 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 35, 55.688, 55.475 by changing the saturation by 10% instead.

35, 55.688, 55.475

35, 55.688, 55.475

100, 55.688,
55.475

25, 55.688, 55.475

55, 55.688, 55.475

15, 55.688, 55.475

65, 55.688, 55.475

5, 55.688, 55.475

75, 55.688, 55.475

0, 55.688, 55.475

85, 55.688, 55.475

95, 55.688, 55.475

35, 55.688, 55.475

35, 55.688, 55.475

35, 55.812, 55.463

37, 50.432, 56.929

■ 39, 44.692, 58.313

■ 41, 38.440, 59.380

■ 43, 32.143, 60.339

■ 45, 26.028, 61.283

■ 48, 20.194, 62.248

■ 50, 14.673, 63.239

■ 53, 9.462, 64.247

■ 55, 4.546, 65.243

Harmonies

Complementary

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



35, 55.688, 55.475



33, 38.137, 273.692

Rectangle

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



35, 55.688, 55.475



35, 55.688, 105.475



35, 55.688, 235.475



35, 55.688, 285.475

Sweetspot

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



35, 55.686, 55.477



64, 18.448, 63.151



30, 55.276, 353.450



32, 12.827, 62.780



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



35, 55.686, 55.477



46, 68.433, 54.573



52, 57.991, 97.382



28, 2.605, 65.304



33, 54.033, 55.620



1, 1.183, 66.322

Inverse Universe

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



33, 38.137, 273.692



43, 47.416, 274.976



16, 80.627, 304.848



28, 2.524, 247.431



32, 36.918, 273.561



1, 1.183, 246.337

Previews

White Background



This preview shows how the CIELCh color 35, 55.688, 55.475 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 CIELCh color 35, 55.688, 55.475 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 35, 55.688, 55.475

Background



This preview shows how black text looks on a background with the CIELCh color 35, 55.688, 55.475.



This preview shows how white text looks on a background with the CIELCh color 35, 55.688, 55.475.

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

35, 55.688, 55.475

Protanopia

35, 39.461, 96.026

Deuteranopia

35, 43.881, 84.772



Tritanopia
35, 40.467, 24.123

Trichromacy



Original Color
35, 55.688, 55.475

Protanomaly
35, 41.954, 77.408

Deuteranomaly
35, 46.448, 71.465

Tritanomaly
35, 44.954, 40.581

Monochromacy



Original Color
35, 55.688, 55.475

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 20.459, 62.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 55.688, 55.475 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(138, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 58, 0)  
}
```

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(138, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 58, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 55.688, 55.475 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(138, 58, 0) }
```

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

```
.border{ border-color:rgb(138, 58, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 58, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 55.688, 55.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 58, 0) }
```

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

```
.background{ background-color: rgb(138, 58,  
0) }
```

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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