

Converting Colors

CIELCh(35, 70.231, 40.654)

Have a look what the booklet for
CIELCh(35, 70.231, 40.654) contains.

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Color

CIELCh(35, 70.208, 40.613)

Conversions

Conversions Part 1

Format	Color
Hex	A31907
RGB	163, 25, 7
RGB Percent	64%, 10%, 3%
CMY	0.3608, 0.9019, 0.9725
CMYK	0.00, 0.85, 0.96, 0.36
HSL	7°, 92%, 33%
HSV	7°, 96%, 64%
XYZ	15.4920, 8.4984, 1.0250
YIQ	64.2100, 88.0260, 23.6580

Conversions

Conversions Part 2

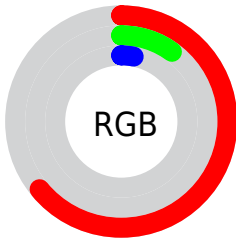
Format	Color
RYB	163, 27, 7
Decimal	10688775
CIELab	35.00, 53.30, 45.70
CIELCh	35, 70.208, 40.613
Yxy	8.4984, 0.6193, 0.3397
Android (android.graphics.Color)	4288878855 (0xFFA31907)
YUV	64.2100, -28.2045, 86.6388
Hunter-Lab	29.1520, 43.8430, 18.3218

Details

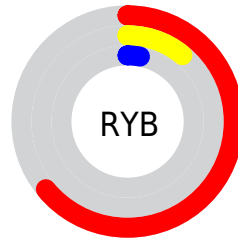
The CIELCh color **35, 70.208, 40.613** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **55, 31.445, 216.320**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 70.140, 40.514**, and **19, 50.503, 35.960** is the 20% darker color. If you saturate the color by 10%, you get **34, 72.844, 41.494**, and if you desaturate by 10%, it is **37, 63.444, 38.983**.

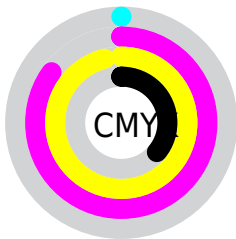
Distribution



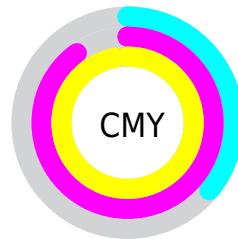
- Red (64%)
- Green (10%)
- Blue (3%)



- Red (64%)
- Yellow (11%)
- Blue (3%)



- Cyan (0%)
- Magenta (85%)
- Yellow (96%)
- Black (36%)



- Cyan (36%)
- Magenta (90%)
- Yellow (97%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 70.208, 40.613 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, 70.208, 40.613 by changing the saturation by 10% instead.

■ 35, 70.208, 40.613

■ 35, 70.208, 40.613

■ 100, 70.208,
40.613

■ 25, 70.208, 40.613

■ 55, 70.208, 40.613

■ 15, 70.208, 40.613

■ 65, 70.208, 40.613

■ 5, 70.208, 40.613

■ 75, 70.208, 40.613

■ 0, 70.208, 40.613

■ 85, 70.208, 40.613

■ 95, 70.208, 40.613

■ 35, 70.208, 40.613

■ 35, 70.208, 40.613

■ 34, 72.844, 41.494

■ 37, 63.444, 38.983

■ 39, 55.354, 36.983

■ 42, 46.891, 35.125

■ 45, 38.523, 33.599

■ 48, 30.488, 32.423

■ 52, 22.907, 31.555

■ 56, 15.838, 30.934

■ 60, 9.288, 30.498

■ 65, 3.239, 30.140

Harmonies

Complementary

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



35, 70.208, 40.613



55, 31.445, 216.320

Rectangle

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



35, 70.208, 40.613



35, 70.208, 90.613



35, 70.208, 220.613



35, 70.208, 270.613

Sweetspot

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



35, 70.205, 40.615



70, 22.451, 31.147



38, 75.846, 332.414



35, 15.786, 31.406



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



35, 70.205, 40.615



45, 89.003, 41.304



48, 57.654, 70.724



32, 3.263, 30.277



31, 66.407, 41.275



2, 4.951, 29.070

Inverse Universe

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



55, 31.445, 216.320



70, 38.354, 217.572



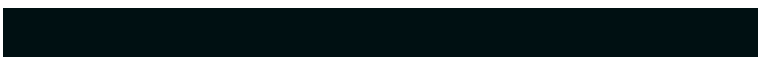
32, 59.010, 290.450



34, 3.077, 210.183



49, 29.093, 216.908



4, 4.785, 213.675

Previews

White Background



This preview shows how the CIELCh color 35, 70.208, 40.613 looks on a white background.

Color Contrast Check

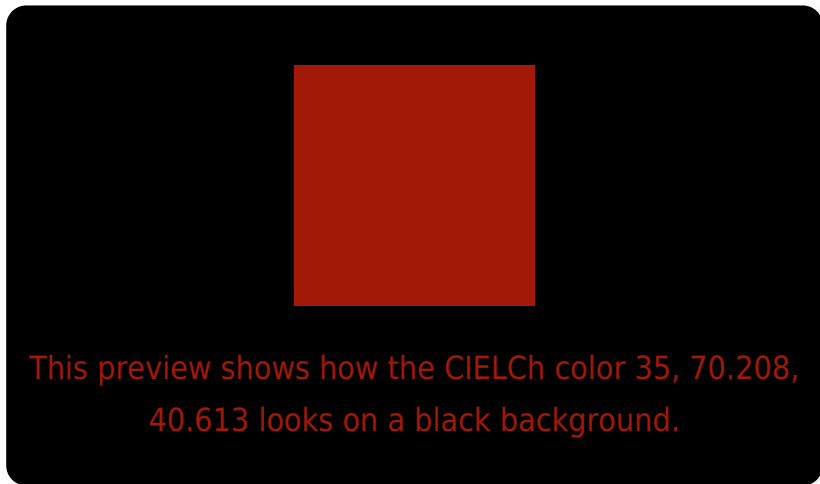
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

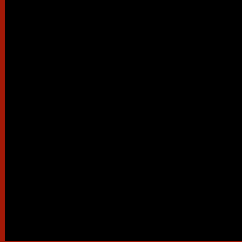
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 70.208, 40.613

Background



This preview shows how black text looks on a background with the CIELCh color 35, 70.208, 40.613.



This preview shows how white text looks on a background with the CIELCh color 35, 70.208, 40.613.

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, 70.208, 40.613

Protanopia

36, 35.999, 95.934

Deuteranopia

36, 44.207, 84.948



Tritanopia
35, 66.539, 36.056

Trichromacy



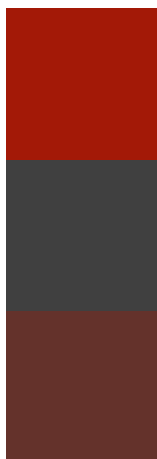
Original Color
35, 70.208, 40.613

Protanomaly
33, 42.207, 60.304

Deuteranomaly
33, 50.095, 58.930

Tritanomaly
35, 67.916, 37.767

Monochromacy



Original Color
35, 70.208, 40.613

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 26.146, 33.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 70.208, 40.613 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(163, 25, 7)` looks like.

```
.text, #text, p{  
    color:rgb(163, 25, 7)  
}
```

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(163, 25, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 25, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 70.208, 40.613 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(163, 25, 7) }
```

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

```
.border{ border-color:rgb(163, 25, 7) }
```

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

Here you see how a box with a 4 pixel rgb(163, 25, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 25, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 25, 7);  
box-shadow:4px 4px 4px 4px rgb(163, 25, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 70.208, 40.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 25, 7) }
```

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

```
.background{ background-color: rgb(163, 25,  
7) }
```

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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