

Converting Colors

CIELCh(25, 36.931, 31.490)

Have a look what the booklet for
CIELCh(25, 36.931, 31.490) contains.

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Color

CIELCh(25, 36.799, 31.122)

Conversions

Conversions Part 1

Format	Color
Hex	6A2320
RGB	106, 35, 32
RGB Percent	42%, 14%, 13%
CMY	0.5828, 0.8614, 0.8734
CMYK	0.00, 0.67, 0.70, 0.58
HSL	2°, 53%, 27%
HSV	2°, 70%, 42%
XYZ	6.8649, 4.4155, 1.8775
YIQ	55.8870, 43.2790, 14.1190

Conversions

Conversions Part 2

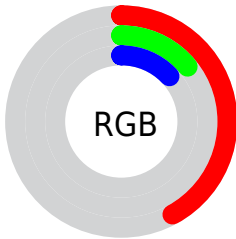
Format	Color
R_{YB}	106, 35, 32
Decimal	6955808
CIE _{Lab}	25.00, 31.50, 19.02
CIE _{LCh}	25, 36.799, 31.122
Yxy	4.4155, 0.5217, 0.3356
Android (android.graphics.Color)	4285145888 (0xFF6A2320)
YUV	55.8870, -11.7763, 43.9491
Hunter-Lab	21.0130, 21.5430, 9.4116

Details

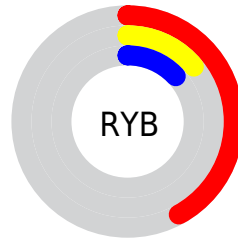
The CIELCh color **25, 36.799, 31.122** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 21.938, 201.798**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 36.784, 31.626**, and **7, 28.238, 22.497** is the 20% darker color. If you saturate the color by 10%, you get **23, 42.705, 33.752**, and if you desaturate by 10%, it is **27, 30.800, 28.935**.

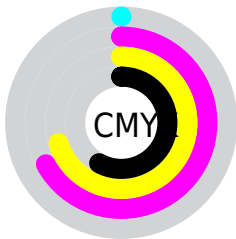
Distribution



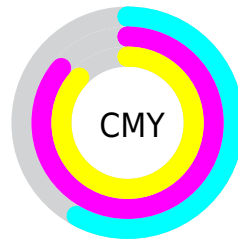
- Red (42%)
- Green (14%)
- Blue (13%)



- Red (42%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (70%)
- Black (58%)



- Cyan (58%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 36.799, 31.122 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 25, 36.799, 31.122 by changing the saturation by 10% instead.

■ 25, 36.799, 31.122

■ 25, 36.799, 31.122

■ 100, 36.799,
31.122

■ 15, 36.799, 31.122

■ 45, 36.799, 31.122

■ 5, 36.799, 31.122

■ 55, 36.799, 31.122

■ 0, 36.799, 31.122

■ 65, 36.799, 31.122

■ 75, 36.799, 31.122

■ 85, 36.799, 31.122

■ 95, 36.799, 31.122

■ 25, 36.799, 31.122

■ 25, 36.799, 31.122

23, 42.705, 33.752

27, 30.800, 28.935

22, 47.851, 36.049

30, 24.905, 27.193

21, 51.639, 37.512

33, 19.238, 25.840

21, 51.770, 37.562

36, 13.876, 24.799

39, 8.857, 23.996

42, 4.187, 23.352

45, 0.146, 205.376

48, 4.166, 202.716

52, 7.901, 202.413

Harmonies

Complementary

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



25, 36.799, 31.122



40, 21.938, 201.798

Rectangle

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



25, 36.799, 31.122



25, 36.799, 81.122



25, 36.799, 211.122



25, 36.799, 261.122

Sweetspot

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



25, 36.797, 31.125



49, 11.785, 24.135



27, 49.308, 328.700



24, 7.975, 24.282



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



25, 36.797, 31.125



30, 55.858, 35.648



34, 30.883, 70.223



21, 2.445, 23.310



23, 56.366, 38.508



51, 100.889, 40.305

Inverse Universe

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



40, 21.938, 201.798



50, 28.923, 202.226



28, 26.778, 273.459



22, 2.317, 202.739



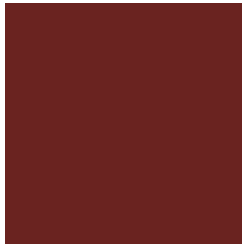
43, 26.757, 202.858



85, 45.909, 203.263

Previews

White Background



This preview shows how the CIELCh color 25, 36.799, 31.122 looks on a white background.

Color Contrast Check

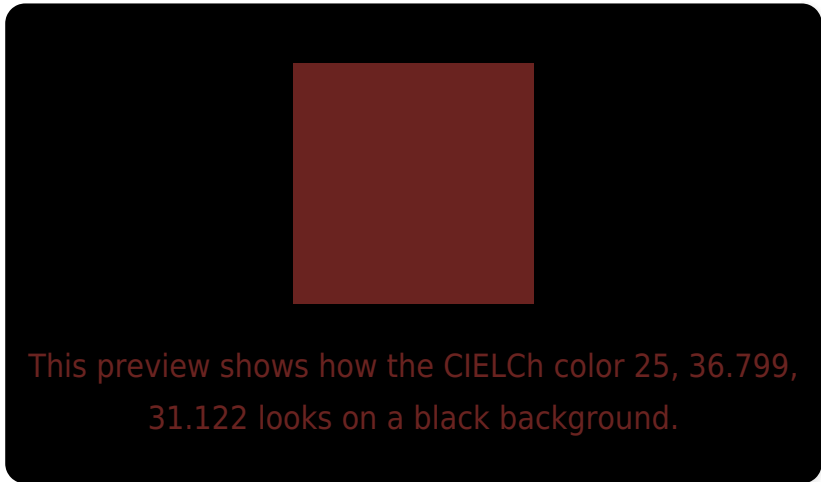
Large Text (above 18pt) WCAG AA ✓ Pass

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 25, 36.799, 31.122

Background



This preview shows how black text looks on a background with the CIELCh color 25, 36.799, 31.122.

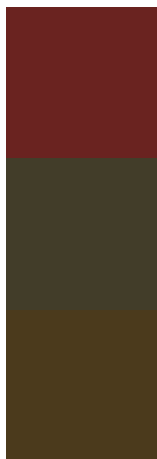


This preview shows how white text looks on a background with the CIELCh color 25, 36.799, 31.122.

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

25, 36.799, 31.122

Protanopia

26, 13.220, 96.497

Deuteranopia

26, 21.532, 81.172



Tritanopia
25, 36.034, 26.559

Trichromacy



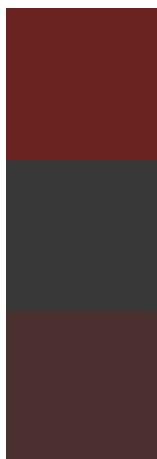
Original Color
25, 36.799, 31.122

Protanomaly
25, 18.053, 51.638

Deuteranomaly
25, 24.022, 54.131

Tritanomaly
25, 36.498, 28.456

Monochromacy



Original Color
25, 36.799, 31.122

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 12.931, 24.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 36.799, 31.122 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(106, 35, 32)` looks like.

```
.text, #text, p{  
    color:rgb(106, 35, 32)  
}
```

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(106, 35, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 35, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 36.799, 31.122 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(106, 35, 32) }
```

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

```
.border{ border-color:rgb(106, 35, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 35, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 35, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 35, 32);  
box-shadow:4px 4px 4px 4px rgb(106, 35,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 36.799, 31.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 35, 32) }
```

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

```
.background{ background-color: rgb(106, 35,  
32) }
```

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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