

Converting Colors

CIELCh(24, 37.444, 29.167)

Have a look what the booklet for
CIELCh(24, 37.444, 29.167) contains.

CIELCh(24, 37.504, 29.935)	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(24, 37.504, 29.935)

Conversions

Conversions Part 1

Format	Color
Hex	69201F
RGB	105, 32, 31
RGB Percent	41%, 13%, 12%
CMY	0.5895, 0.8756, 0.8793
CMYK	0.00, 0.70, 0.71, 0.59
HSL	1°, 55%, 27%
HSV	1°, 71%, 41%
XYZ	6.5425, 4.1002, 1.7270
YIQ	53.7130, 43.8290, 15.1650

Conversions

Conversions Part 2

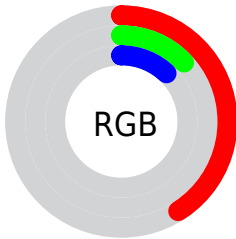
Format	Color
R_{YB}	105, 32, 31
Decimal	6889503
CIE Lab	24.00, 32.50, 18.72
CIE LCh	24, 37.504, 29.935
Yxy	4.1002, 0.5289, 0.3315
Android (android.graphics.Color)	4285079583 (0xFF69201F)
YUV	53.7130, -11.1975, 44.9787
Hunter-Lab	20.2490, 22.2385, 9.1176

Details

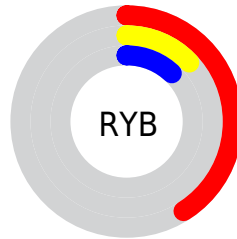
The CIELCh color **24, 37.504, 29.935** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 22.514, 198.277**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 37.498, 30.059**, and **7, 27.682, 22.117** is the 20% darker color. If you saturate the color by 10%, you get **22, 43.250, 32.910**, and if you desaturate by 10%, it is **26, 31.584, 27.451**.

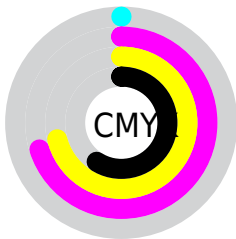
Distribution



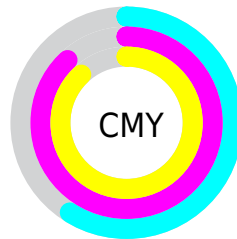
- Red (41%)
- Green (13%)
- Blue (12%)



- Red (41%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (70%)
- Yellow (71%)
- Black (59%)



- Cyan (59%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 37.504, 29.935 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 24, 37.504, 29.935 by changing the saturation by 10% instead.



■ 22, 43.250, 32.910

■ 26, 31.584, 27.451

■ 21, 47.983, 35.276

■ 29, 25.698, 25.467

■ 20, 51.460, 36.637

■ 31, 19.990, 23.917

■ 34, 14.557, 22.715

■ 38, 9.450, 21.777

■ 41, 4.687, 21.021

■ 44, 0.260, 19.205

■ 47, 3.850, 200.182

■ 51, 7.671, 199.787

Harmonies

Complementary

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



24, 37.504, 29.935



40, 22.514, 198.277

Rectangle

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



24, 37.504, 29.935



24, 37.504, 79.935



24, 37.504, 209.935



24, 37.504, 259.935

Sweetspot

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



24, 37.502, 29.938



48, 11.919, 21.858



27, 50.270, 327.663



23, 8.190, 22.030



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



24, 37.502, 29.938



29, 56.252, 35.071



32, 30.783, 66.979



21, 2.514, 20.907



23, 56.765, 37.870



51, 101.233, 40.096

Inverse Universe

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



40, 22.514, 198.277



51, 29.591, 198.235



28, 25.464, 270.208



22, 2.383, 200.164



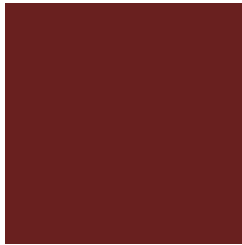
44, 27.742, 198.332



87, 47.689, 198.449

Previews

White Background



This preview shows how the CIE LCh color 24, 37.504, 29.935 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

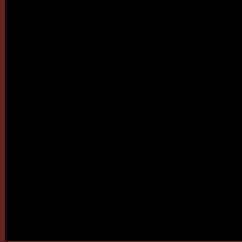
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 37.504, 29.935

Background



This preview shows how black text looks on a background with the CIELCh color 24, 37.504, 29.935.

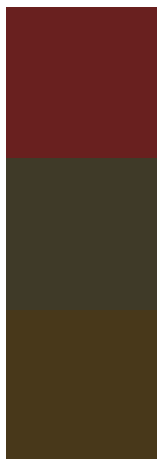


This preview shows how white text looks on a background with the CIELCh color 24, 37.504, 29.935.

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

24, 37.504, 29.935

Protanopia

24, 12.056, 95.553

Deuteranopia

25, 21.393, 82.256



Tritanopia
24, 37.309, 27.485

Trichromacy



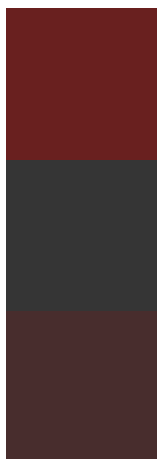
Original Color
24, 37.504, 29.935

Protanomaly
23, 17.626, 46.037

Deuteranomaly
24, 24.334, 52.411

Tritanomaly
24, 37.552, 28.403

Monochromacy



Original Color
24, 37.504, 29.935

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 13.471, 22.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 37.504, 29.935 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(105, 32, 31)` looks like.

```
.text, #text, p{  
    color:rgb(105, 32, 31)  
}
```

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(105, 32, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 32, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 37.504, 29.935 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(105, 32, 31) }
```

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

```
.border{ border-color:rgb(105, 32, 31) }
```

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

Here you see how a box with a 4 pixel rgb(105, 32, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 32, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 32, 31);  
box-shadow:4px 4px 4px 4px rgb(105, 32,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 37.504, 29.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 32, 31) }
```

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

```
.background{ background-color: rgb(105, 32,  
31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor