

Converting Colors

CIELCh(32, 31.850, 48.218)

Have a look what the booklet for
CIELCh(32, 31.850, 48.218) contains.

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Color

CIELCh(32, 31.576, 48.275)

Conversions

Conversions Part 1

Format	Color
Hex	723D27
RGB	114, 61, 39
RGB Percent	45%, 24%, 15%
CMY	0.5524, 0.7603, 0.8466
CMYK	0.00, 0.46, 0.66, 0.55
HSL	18°, 49%, 30%
HSV	18°, 66%, 45%
XYZ	9.0018, 7.0852, 2.8227
YIQ	74.3390, 38.6500, 4.3940

Conversions

Conversions Part 2

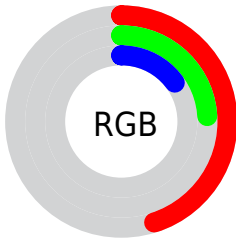
Format	Color
RYB	114, 70, 39
Decimal	7486759
CIELab	32.00, 21.02, 23.57
CIElCh	32, 31.576, 48.275
Yxy	7.0852, 0.4760, 0.3747
Android (android.graphics.Color)	4285676839 (0xFF723D27)
YUV	74.3390, -17.4221, 34.7827
Hunter-Lab	26.6180, 13.7848, 12.3453

Details

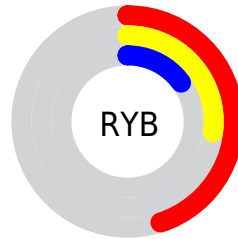
The CIELCh color **32, 31.576, 48.275** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **37, 20.450, 240.132**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 31.424, 47.699**, and **12, 28.284, 40.430** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.474, 48.260**, and if you desaturate by 10%, it is **34, 25.870, 48.369**.

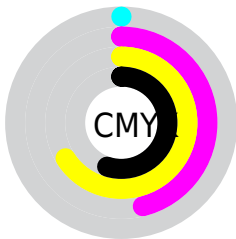
Distribution



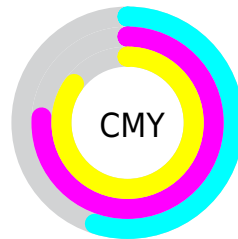
- Red (45%)
- Green (24%)
- Blue (15%)



- Red (45%)
- Yellow (27%)
- Blue (15%)



- Cyan (0%)
- Magenta (46%)
- Yellow (66%)
- Black (55%)



- Cyan (55%)
- Magenta (76%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 31.576, 48.275 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 32, 31.576, 48.275 by changing the saturation by 10% instead.

■ 32, 31.576, 48.275

■ 32, 31.576, 48.275

■ 100, 31.576,
48.275

■ 22, 31.576, 48.275

■ 52, 31.576, 48.275

■ 12, 31.576, 48.275

■ 62, 31.576, 48.275

■ 2, 31.576, 48.275

■ 72, 31.576, 48.275

■ 0, 31.576, 48.275

■ 82, 31.576, 48.275

■ 92, 31.576, 48.275

■ 32, 31.576, 48.275

■ 32, 31.576, 48.275

■ 30, 37.474, 48.260

■ 34, 25.870, 48.369

■ 28, 43.319, 48.184

■ 37, 20.467, 48.572

■ 26, 48.507, 47.686

■ 39, 15.406, 48.888

■ 26, 50.555, 47.520

■ 41, 10.688, 49.299

■ 44, 6.298, 49.779

■ 47, 2.213, 50.243

■ 49, 1.597, 231.215

■ 52, 5.160, 231.705

■ 55, 8.503, 232.333

Harmonies

Complementary

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



32, 31.576, 48.275



37, 20.450, 240.132

Rectangle

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



32, 31.576, 48.275



32, 31.576, 98.275



32, 31.576, 228.275



32, 31.576, 278.275

Sweetspot

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



32, 31.575, 48.279



55, 10.076, 49.544



29, 42.314, 338.616



27, 6.884, 49.441



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



32, 31.575, 48.279



38, 48.949, 48.241



42, 35.002, 91.719



22, 2.166, 50.111



27, 52.752, 47.633



57, 93.344, 46.526

Inverse Universe

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



37, 20.450, 240.132



45, 28.203, 244.940



25, 38.583, 291.095



23, 2.069, 231.444



34, 27.290, 252.795



68, 47.753, 255.874

Previews

White Background



This preview shows how the CIELCh color 32, 31.576, 48.275 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 32, 31.576, 48.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

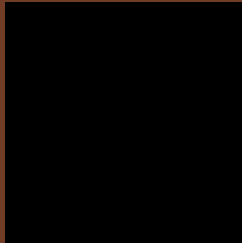
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 31.576, 48.275

Background



This preview shows how black text looks on a background with the CIELCh color 32, 31.576, 48.275.



This preview shows how white text looks on a background with the CIELCh color 32, 31.576, 48.275.

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

32, 31.576, 48.275

Protanopia

32, 20.181, 96.633

Deuteranopia

32, 24.797, 79.045



Tritanopia
32, 26.940, 19.415

Trichromacy



Original Color
32, 31.576, 48.275

Protanomaly
32, 21.910, 74.581

Deuteranomaly
32, 25.968, 65.749

Tritanomaly
32, 27.828, 30.594

Monochromacy



Original Color
32, 31.576, 48.275

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 10.860, 48.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 31.576, 48.275 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(114, 61, 39)` looks like.

```
.text, #text, p{  
    color:rgb(114, 61, 39)  
}
```

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(114, 61, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 61, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 31.576, 48.275 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(114, 61, 39) }
```

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

```
.border{ border-color:rgb(114, 61, 39) }
```

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

Here you see how a box with a 4 pixel rgb(114, 61, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 61, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 61, 39);  
box-shadow:4px 4px 4px 4px rgb(114, 61,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 31.576, 48.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 61, 39) }
```

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

```
.background{ background-color: rgb(114, 61,  
39) }
```

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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