

Converting Colors

CIELCh(50, 31.114, 45.878)

Have a look what the booklet for
CIELCh(50, 31.114, 45.878) contains.

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Color

CIELCh(50, 31.090, 46.032)

Conversions

Conversions Part 1

Format	Color
Hex	A46852
RGB	164, 104, 82
RGB Percent	64%, 41%, 32%
CMY	0.3566, 0.5919, 0.6782
CMYK	0.00, 0.37, 0.50, 0.36
HSL	16°, 33%, 48%
HSV	16°, 50%, 64%
XYZ	21.8011, 18.4187, 10.3979
YIQ	119.4320, 42.8220, 5.8780

Conversions

Conversions Part 2

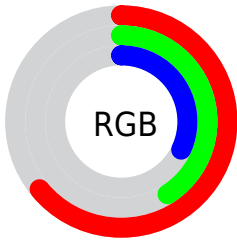
Format	Color
RYB	164, 112, 82
Decimal	10774610
CIELab	50.00, 21.58, 22.38
CIELCh	50, 31.090, 46.032
Yxy	18.4187, 0.4307, 0.3639
Android (android.graphics.Color)	4288964690 (0xFFA46852)
YUV	119.4320, -18.4540, 39.0861
Hunter-Lab	42.9170, 15.5704, 15.6770

Details

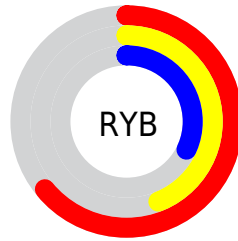
The CIELCh color **50, 31.090, 46.032** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **56, 22.097, 233.067**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 30.814, 46.243**, and **30, 30.951, 45.776** is the 20% darker color. If you saturate the color by 10%, you get **47, 38.724, 46.094**, and if you desaturate by 10%, it is **53, 23.916, 46.127**.

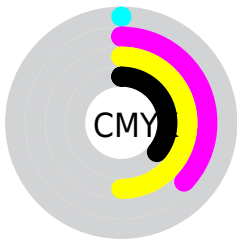
Distribution



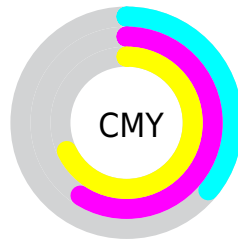
- Red (64%)
- Green (41%)
- Blue (32%)



- Red (64%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (37%)
- Yellow (50%)
- Black (36%)



- Cyan (36%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 31.090, 46.032 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 50, 31.090, 46.032 by changing the saturation by 10% instead.

■ 50, 31.090, 46.032

■ 50, 31.090, 46.032

■ 100, 31.090,
46.032

■ 40, 31.090, 46.032

■ 70, 31.090, 46.032

■ 30, 31.090, 46.032

■ 80, 31.090, 46.032

■ 20, 31.090, 46.032

■ 90, 31.090, 46.032

■ 10, 31.090, 46.032

■ 0, 31.090, 46.032

■ 50, 31.090, 46.032

■ 50, 31.090, 46.032

■ 47, 38.724, 46.094

■ 53, 23.916, 46.127

■ 44, 46.712, 46.281

■ 57, 17.238, 46.351

■ 41, 54.779, 46.501

■ 60, 11.046, 46.682

■ 39, 62.310, 46.478

■ 64, 5.310, 47.072

■ 37, 68.865, 46.273

■ 67, 0.012, 268.235

■ 37, 68.873, 46.274

■ 71, 4.954, 228.294

■ 75, 9.565, 228.828

■ 78, 13.884,
229.408

■ 82, 17.946,
230.005

Harmonies

Complementary

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



50, 31.090, 46.032



56, 22.097, 233.067

Rectangle

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



50, 31.090, 46.032



50, 31.090, 96.032



50, 31.090, 226.032



50, 31.090, 276.032

Sweetspot

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



50, 31.089, 46.037



79, 10.112, 46.863



47, 45.531, 336.593



41, 6.940, 46.785



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 31.089, 46.037



60, 48.318, 46.110



61, 35.804, 92.280



33, 2.986, 47.099



33, 62.666, 46.492



2, 4.541, 44.574

Inverse Universe

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



56, 22.097, 233.067



69, 31.271, 235.464



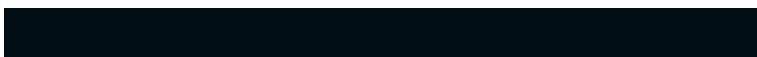
44, 37.791, 286.685



33, 2.836, 228.299



42, 30.572, 248.970



3, 4.474, 234.487

Previews

White Background



This preview shows how the CIELCh color 50, 31.090, 46.032 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 31.090, 46.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

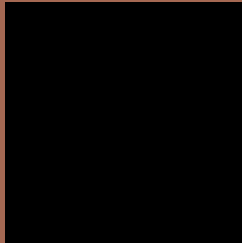
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 31.090, 46.032

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.090, 46.032.



This preview shows how white text looks on a background with the CIELCh color 50, 31.090, 46.032.

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

50, 31.090, 46.032

Protanopia

50, 17.852, 94.982

Deuteranopia

50, 24.078, 74.027



Tritanopia
50, 28.032, 14.964

Trichromacy



Original Color
50, 31.090, 46.032

Protanomaly
50, 20.572, 71.631

Deuteranomaly
50, 25.782, 60.955

Tritanomaly
50, 27.907, 26.403

Monochromacy



Original Color
50, 31.090, 46.032

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 10.143, 47.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.090, 46.032 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(164, 104, 82)` looks like.

```
.text, #text, p{  
    color:rgb(164, 104, 82)  
}
```

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(164, 104, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 104, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.090, 46.032 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(164, 104, 82) }
```

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

```
.border{ border-color:rgb(164, 104, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 104, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 104, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 104, 82);  
box-shadow:4px 4px 4px 4px rgb(164, 104,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.090, 46.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 104, 82) }
```

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

```
.background{ background-color: rgb(164,  
104, 82) }
```

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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