

Converting Colors

CIELCh(48, 23.074, 104.381)

Have a look what the booklet for
CIELCh(48, 23.074, 104.381)
contains.

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Color

CIELCh(48, 23.183, 104.782)

Conversions

Conversions Part 1

Format	Color
Hex	76744C
RGB	118, 116, 76
RGB Percent	46%, 45%, 30%
CMY	0.5381, 0.5460, 0.7028
CMYK	0.00, 0.02, 0.36, 0.54
HSL	57°, 22%, 38%
HSV	57°, 36%, 46%
XYZ	14.9577, 16.7945, 9.2527
YIQ	112.0380, 14.0320, -12.0160

Conversions

Conversions Part 2

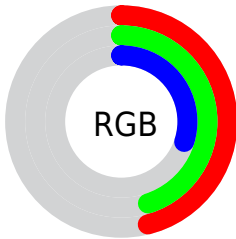
Format	Color
R_{YB}	78, 118, 76
Decimal	7763020
CIE Lab	48.00, -5.91, 22.42
CIE LCh	48, 23.183, 104.782
Yxy	16.7945, 0.3648, 0.4096
Android (android.graphics.Color)	4285953100 (0xFF76744C)
YUV	112.0380, -17.7667, 5.2287
Hunter-Lab	40.9810, -6.5660, 15.3002

Details

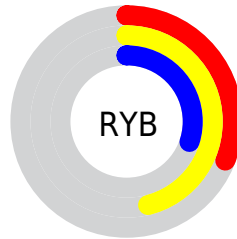
The CIELCh color $48, 23.183, 104.782$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 25.025, 292.676$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 23.433, 104.710$, and $28, 23.082, 104.339$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.433, 103.837$, and if you desaturate by 10%, it is $48, 16.765, 105.752$.

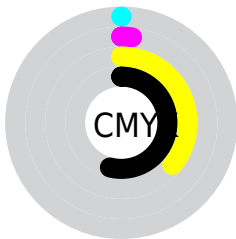
Distribution



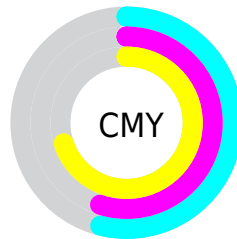
- Red (46%)
- Green (45%)
- Blue (30%)



- Red (31%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 23.183, 104.782 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 48, 23.183, 104.782 by changing the saturation by 10% instead.


 48, 23.183,
104.782


 48, 23.183,
104.782


 100, 23.183,
104.782


 38, 23.183,
104.782

 68, 23.183,
104.782


 28, 23.183,
104.782

 78, 23.183,
104.782

 18, 23.183,
104.782

 88, 23.183,
104.782

 8, 23.183, 104.782

 98, 23.183,
104.782

 0, 23.183, 104.782

 48, 23.183,

 48, 23.183,

104.782

104.782

■ 48, 29.433,
103.837

■ 48, 16.765,
105.752

■ 47, 35.391,
102.924

■ 49, 10.254,
106.718

■ 47, 40.878,
102.070

■ 49, 3.700, 107.667

■ 47, 45.638,
101.303

■ 50, 2.864, 288.642

■ 50, 9.419, 289.540

■ 47, 49.358,
100.647

■ 51, 15.950,
290.417

■ 46, 51.897,
100.110

■ 51, 22.448,
291.260

■ 46, 52.962, 99.885

■ 52, 28.906,
292.064

■ 53, 35.319,

Harmonies

Complementary

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



48, 23.183, 104.782



34, 25.025, 292.676

Rectangle

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



48, 23.183, 104.782



48, 23.183, 154.782



48, 23.183, 284.782



48, 23.183, 334.782

Sweetspot

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



48, 23.184, 104.786



63, 8.936, 107.137



37, 19.112, 18.641



32, 5.968, 107.040



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 23.184, 104.786



61, 34.409, 103.983



47, 25.723, 125.662



24, 3.678, 107.350



48, 54.437, 99.873



92, 92.125, 99.700

Inverse Universe

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



34, 25.025, 292.676



41, 38.032, 294.128



36, 27.144, 309.104



22, 3.747, 289.133



13, 75.166, 305.359



32, 129.906, 305.893

Previews

White Background



This preview shows how the CIE LCh color 48, 23.183, 104.782 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 × Fail

Black Background



This preview shows how the CIELCh color 48, 23.183, 104.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

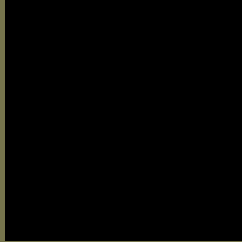
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 23.183, 104.782

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.183, 104.782.



This preview shows how white text looks on a background with the CIELCh color 48, 23.183, 104.782.

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


48, 23.183, 104.782

Protanopia

48, 23.145, 95.678

Deuteranopia

48, 22.749, 74.404



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 23.183, 104.782

Protanomaly
48, 23.426, 99.180

Deuteranomaly
48, 21.630, 85.006

Tritanomaly
48, 6.520, 73.645

Monochromacy



Original Color
48, 23.183, 104.782

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.237, 106.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.183, 104.782 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(118, 116, 76)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 76)  
}
```

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(118, 116, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.183, 104.782 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(118, 116, 76) }
```

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

```
.border{ border-color:rgb(118, 116, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 76);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.183, 104.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 76) }
```

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

```
.background{ background-color: rgb(118,  
116, 76) }
```

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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