

Converting Colors

CIELCh(46, 23.908, 88.260)

Have a look what the booklet for
CIELCh(46, 23.908, 88.260) contains.

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Color

CIELCh(46, 23.773, 87.515)

Conversions

Conversions Part 1

Format	Color
Hex	7C6B45
RGB	124, 107, 69
RGB Percent	49%, 42%, 27%
CMY	0.5132, 0.5799, 0.7289
CMYK	0.00, 0.14, 0.44, 0.51
HSL	41°, 28%, 38%
HSV	41°, 44%, 49%
XYZ	14.6810, 15.2687, 7.8233
YIQ	107.7510, 22.3300, -8.2140

Conversions

Conversions Part 2

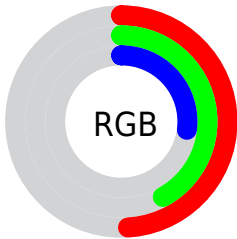
Format	Color
RYB	94, 124, 69
Decimal	8153925
CIELab	46.00, 1.03, 23.75
CIElCh	46, 23.773, 87.515
Yxy	15.2687, 0.3887, 0.4042
Android (android.graphics.Color)	4286344005 (0xFF7C6B45)
YUV	107.7510, -19.1042, 14.2504
Hunter-Lab	39.0751, -1.3170, 15.4820

Details

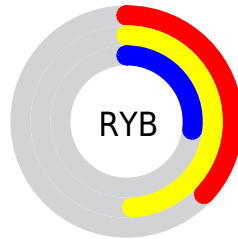
The CIELCh color **46, 23.773, 87.515** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 23.929, 280.201**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 23.653, 86.816**, and **26, 24.121, 87.264** is the 20% darker color. If you saturate the color by 10%, you get **45, 29.224, 86.182**, and if you desaturate by 10%, it is **47, 18.299, 88.819**.

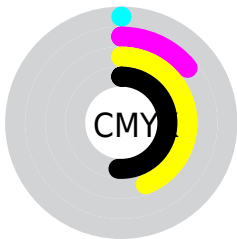
Distribution



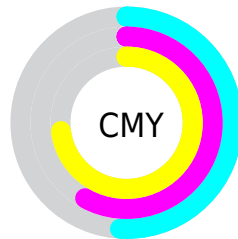
- Red (49%)
- Green (42%)
- Blue (27%)



- Red (37%)
- Yellow (49%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (51%)



- Cyan (51%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 23.773, 87.515 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 46, 23.773, 87.515 by changing the saturation by 10% instead.

■ 46, 23.773, 87.515

■ 46, 23.773, 87.515

■ 100, 23.773,
87.515

■ 36, 23.773, 87.515

■ 66, 23.773, 87.515

■ 26, 23.773, 87.515

■ 76, 23.773, 87.515

■ 16, 23.773, 87.515

■ 86, 23.773, 87.515

■ 6, 23.773, 87.515

■ 96, 23.773, 87.515

■ 0, 23.773, 87.515

■ 46, 23.773, 87.515

■ 46, 23.773, 87.515

■ 45, 29.224, 86.182

■ 47, 18.299, 88.819

■ 43, 34.528, 84.796

■ 49, 12.867, 90.082

■ 42, 39.473, 83.330

■ 50, 7.509, 91.303

■ 41, 43.713, 81.724

■ 51, 2.240, 92.443

■ 40, 46.844, 79.884

■ 53, 2.936, 273.715

■ 39, 48.617, 78.895

■ 54, 8.019, 274.782

■ 56, 13.015,
275.828

■ 57, 17.928,
276.830

■ 59, 22.764,
277.784

Harmonies

Complementary

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



46, 23.773, 87.515



37, 23.929, 280.201

Rectangle

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



46, 23.773, 87.515



46, 23.773, 137.515



46, 23.773, 267.515



46, 23.773, 317.515

Sweetspot

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



46, 23.773, 87.520



64, 8.411, 91.423



36, 25.903, 0.039



33, 5.942, 91.197



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 23.773, 87.520



57, 35.211, 86.191



50, 31.520, 114.390



25, 2.905, 91.922



40, 48.845, 78.876



77, 82.038, 77.367

Inverse Universe

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



37, 23.929, 280.201



44, 35.703, 282.558



33, 34.942, 301.337



24, 2.912, 274.157



20, 57.820, 296.693



42, 102.792, 298.561

Previews

White Background



This preview shows how the CIELCh color 46, 23.773, 87.515 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 46, 23.773, 87.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

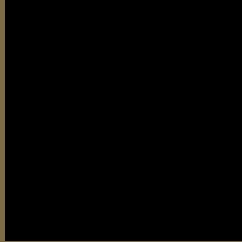
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.773, 87.515

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.773, 87.515.



This preview shows how white text looks on a background with the CIELCh color 46, 23.773, 87.515.

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

46, 23.773, 87.515

Protanopia

46, 23.312, 95.503

Deuteranopia

46, 23.980, 75.455



Tritanopia
46, 11.811, 357.390

Trichromacy



Original Color
46, 23.773, 87.515

Protanomaly
46, 23.134, 91.903

Deuteranomaly
46, 23.687, 78.937

Tritanomaly
46, 11.453, 47.953

Monochromacy



Original Color
46, 23.773, 87.515

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.680, 91.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.773, 87.515 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(124, 107, 69)` looks like.

```
.text, #text, p{  
    color:rgb(124, 107, 69)  
}
```

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(124, 107, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 107, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.773, 87.515 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(124, 107, 69) }
```

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

```
.border{ border-color:rgb(124, 107, 69) }
```

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

Here you see how a box with a 4 pixel rgb(124, 107, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 107, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 107, 69);  
box-shadow:4px 4px 4px 4px rgb(124, 107,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.773, 87.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 107, 69) }
```

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

```
.background{ background-color: rgb(124,  
107, 69) }
```

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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