

Converting Colors

CIELCh(48, 20.964, 85.263)

Have a look what the booklet for
CIELCh(48, 20.964, 85.263) contains.

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Color

CIELCh(48, 20.869, 85.725)

Conversions

Conversions Part 1

Format	Color
Hex	81704F
RGB	129, 112, 79
RGB Percent	51%, 44%, 31%
CMY	0.4944, 0.5611, 0.6905
CMYK	0.00, 0.13, 0.39, 0.49
HSL	40°, 24%, 41%
HSV	40°, 39%, 51%
XYZ	16.2342, 16.7945, 9.7686
YIQ	113.3210, 20.7250, -6.6590

Conversions

Conversions Part 2

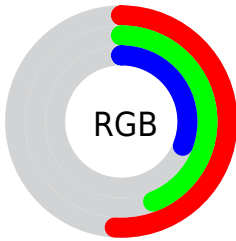
Format	Color
RYB	105, 129, 79
Decimal	8482895
CIELab	48.00, 1.56, 20.81
CIELCh	48, 20.869, 85.725
Yxy	16.7945, 0.3793, 0.3924
Android (android.graphics.Color)	4286672975 (0xFF81704F)
YUV	113.3210, -16.9203, 13.7505
Hunter-Lab	40.9810, -1.0059, 14.5538

Details

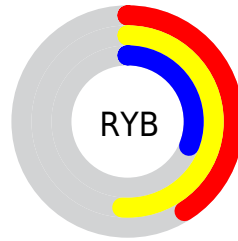
The CIELCh color $48, 20.869, 85.725$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 20.653, 276.743$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 21.281, 86.294$, and $28, 20.761, 84.269$ is the 20% darker color. If you saturate the color by 10%, you get $47, 26.444, 84.387$, and if you desaturate by 10%, it is $49, 15.344, 87.035$.

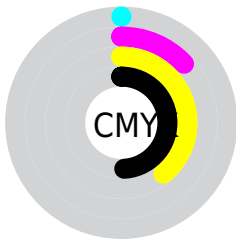
Distribution



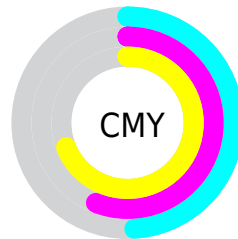
- Red (51%)
- Green (44%)
- Blue (31%)



- Red (41%)
- Yellow (51%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (39%)
- Black (49%)

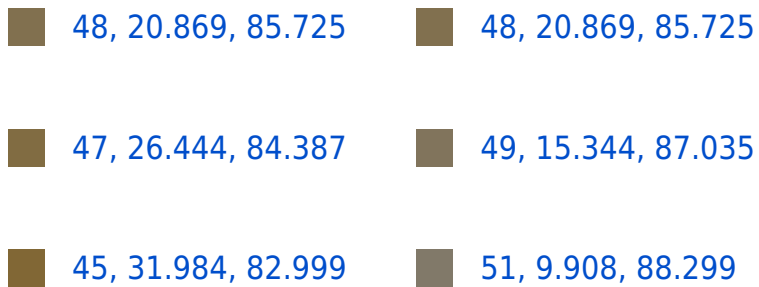
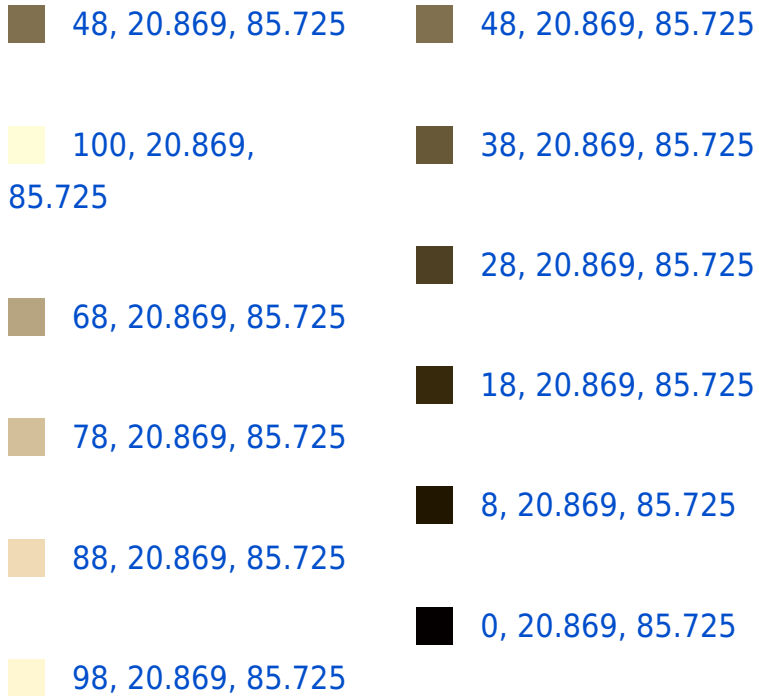


- Cyan (49%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.869, 85.725 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, 20.869, 85.725 by changing the saturation by 10% instead.



■ 44, 37.334, 81.542

■ 53, 4.579, 89.510

■ 42, 42.222, 79.964

■ 54, 0.638, 271.018

■ 41, 46.219, 78.165

■ 56, 5.746, 271.914

■ 40, 49.348, 76.187

■ 57, 10.750,
272.997

■ 40, 49.777, 75.973

■ 59, 15.658,
274.040

■ 61, 20.477,
275.036

■ 62, 25.215,
275.984

Harmonies

Complementary

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



48, 20.869, 85.725



41, 20.653, 276.743

Rectangle

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



48, 20.869, 85.725



48, 20.869, 135.725



48, 20.869, 265.725



48, 20.869, 315.725

Sweetspot

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



48, 20.870, 85.730



67, 7.817, 89.094



40, 23.602, 356.858



34, 5.167, 88.971



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 20.870, 85.730



60, 31.671, 84.479



52, 28.506, 113.283



26, 2.915, 89.474



39, 49.383, 76.007



0, 0.000, 0.000

Inverse Universe

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



41, 20.653, 276.743



49, 31.354, 278.832



36, 31.195, 299.678



25, 2.913, 271.770



21, 56.006, 295.030



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 20.869, 85.725 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, 20.869, 85.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

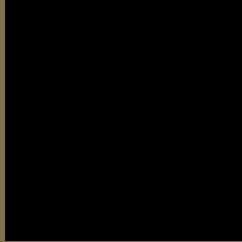
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.869, 85.725

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.869, 85.725.



This preview shows how white text looks on a background with the CIELCh color 48, 20.869, 85.725.

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, 20.869, 85.725

Protanopia

48, 20.243, 95.881

Deuteranopia

48, 21.257, 72.261



Tritanopia
48, 11.934, 354.693

Trichromacy



Original Color
48, 20.869, 85.725

Protanomaly
48, 20.054, 91.806

Deuteranomaly
48, 20.649, 77.164

Tritanomaly
48, 10.517, 39.894

Monochromacy



Original Color
48, 20.869, 85.725

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.490, 89.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.869, 85.725 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(129, 112, 79)` looks like.

```
.text, #text, p{  
    color:rgb(129, 112, 79)  
}
```

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(129, 112, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 112, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.869, 85.725 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(129, 112, 79) }
```

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

```
.border{ border-color:rgb(129, 112, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 112, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 112, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 112, 79);  
box-shadow:4px 4px 4px 4px rgb(129, 112,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.869, 85.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 112, 79) }
```

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

```
.background{ background-color: rgb(129,  
112, 79) }
```

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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