

Converting Colors

CIELCh(41, 63.746, 53.526)

Have a look what the booklet for
CIELCh(41, 63.746, 53.526) contains.

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Color

CIELCh(41, 63.810, 53.474)

Conversions

Conversions Part 1

Format	Color
Hex	A44201
RGB	164, 66, 1
RGB Percent	64%, 26%, 0%
CMY	0.3555, 0.7400, 0.9948
CMYK	0.00, 0.60, 0.99, 0.36
HSL	24°, 98%, 32%
HSV	24°, 99%, 64%
XYZ	17.3565, 11.8645, 1.4130
YIQ	87.8920, 79.2730, 0.5610

Conversions

Conversions Part 2

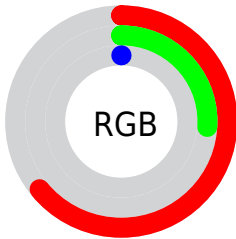
Format	Color
RYB	164, 109, 1
Decimal	10764801
CIELab	41.00, 37.98, 51.28
CIELCh	41, 63.810, 53.474
Yxy	11.8645, 0.5666, 0.3873
Android (android.graphics.Color)	4288954881 (0xFFA44201)
YUV	87.8920, -42.8378, 66.7467
Hunter-Lab	34.4449, 29.6659, 21.6793

Details

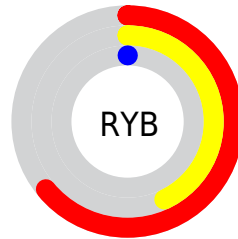
The CIELCh color **41, 63.810, 53.474** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **41, 41.713, 271.306**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 63.860, 53.339**, and **21, 49.577, 39.607** is the 20% darker color. If you saturate the color by 10%, you get **41, 64.296, 53.391**, and if you desaturate by 10%, it is **43, 58.124, 55.139**.

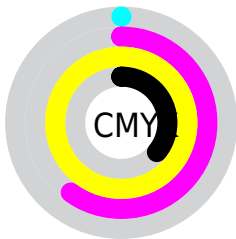
Distribution



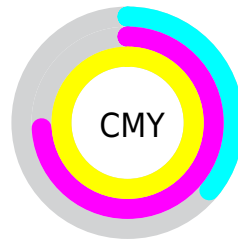
- Red (64%)
- Green (26%)
- Blue (0%)



- Red (64%)
- Yellow (43%)
- Blue (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (99%)
- Black (36%)



- Cyan (36%)
- Magenta (74%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 63.810, 53.474 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 41, 63.810, 53.474 by changing the saturation by 10% instead.

41, 63.810, 53.474

41, 63.810, 53.474

100, 63.810,
53.474

31, 63.810, 53.474

61, 63.810, 53.474

21, 63.810, 53.474

71, 63.810, 53.474

11, 63.810, 53.474

81, 63.810, 53.474

1, 63.810, 53.474

91, 63.810, 53.474

0, 63.810, 53.474

41, 63.810, 53.474

41, 63.810, 53.474

41, 64.296, 53.391

43, 58.124, 55.139

45, 51.398, 56.415

■ 48, 44.074, 57.359

■ 50, 36.720, 58.202

■ 53, 29.608, 59.046

■ 56, 22.851, 59.926

■ 59, 16.483, 60.845

■ 62, 10.500, 61.792

■ 65, 4.877, 62.734

Harmonies

Complementary

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



41, 63.810, 53.474



41, 41.713, 271.306

Rectangle

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



41, 63.810, 53.474



41, 63.810, 103.474



41, 63.810, 233.474



41, 63.810, 283.474

Sweetspot

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



41, 63.808, 53.476



74, 21.101, 60.718



36, 63.421, 350.993



38, 14.556, 60.349



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



41, 63.808, 53.476



53, 78.779, 52.659



60, 64.213, 94.873



33, 2.982, 62.728



36, 58.563, 53.800



3, 4.488, 59.127

Inverse Universe

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



41, 41.713, 271.306



52, 51.916, 272.689



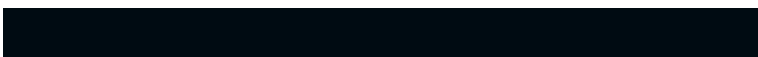
21, 89.783, 304.357



33, 2.877, 244.809



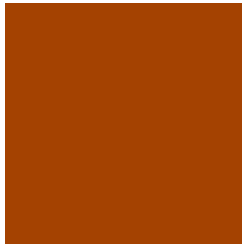
36, 38.072, 271.099



2, 4.652, 250.353

Previews

White Background



This preview shows how the CIELCh color 41, 63.810, 53.474 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 41, 63.810, 53.474 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 41, 63.810, 53.474

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.810, 53.474.



This preview shows how white text looks on a background with the CIELCh color 41, 63.810, 53.474.

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

41, 63.810, 53.474

Protanopia

41, 44.226, 95.660

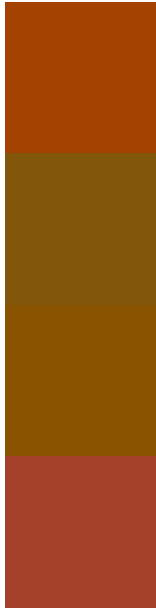
Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 47.921, 25.951

Trichromacy



Original Color
41, 63.810, 53.474

Protanomaly
40, 47.184, 74.909

Deuteranomaly
41, 52.375, 70.391

Tritanomaly
41, 53.057, 40.373

Monochromacy



Original Color
41, 63.810, 53.474

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 23.467, 59.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.810, 53.474 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, 66, 1)` looks like.

```
.text, #text, p{  
    color:rgb(164, 66, 1)  
}
```

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, 66, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 66, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.810, 53.474 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, 66, 1) }
```

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

```
.border{ border-color:rgb(164, 66, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 66, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 66, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 66, 1);  
box-shadow:4px 4px 4px 4px rgb(164, 66, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.810, 53.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 66, 1) }
```

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

```
.background{ background-color: rgb(164, 66,  
1) }
```

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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