

Converting Colors

CIELCh(20, 44.109, 41.795)

Have a look what the booklet for
CIELCh(20, 44.109, 41.795) contains.

CIELCh(20, 44.240, 41.394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(20, 44.240, 41.394)

Conversions

Conversions Part 1

Format	Color
Hex	601402
RGB	96, 20, 2
RGB Percent	38%, 8%, 1%
CMY	0.6236, 0.9217, 0.9923
CMYK	0.00, 0.79, 0.98, 0.62
HSL	11°, 96%, 19%
HSV	11°, 98%, 38%
XYZ	5.0816, 2.9891, 0.3656
YIQ	40.6720, 51.0740, 10.5140

Conversions

Conversions Part 2

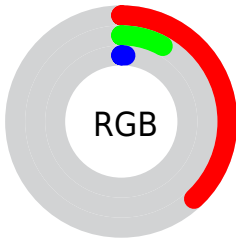
Format	Color
RYB	96, 24, 2
Decimal	6296578
CIELab	20.00, 33.19, 29.25
CIELCh	20, 44.240, 41.394
Yxy	2.9891, 0.6023, 0.3543
Android (android.graphics.Color)	4284486658 (0xFF601402)
YUV	40.6720, -19.0653, 48.5227
Hunter-Lab	17.2889, 22.2093, 10.8483

Details

The CIELCh color **20, 44.240, 41.394** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **30, 21.159, 230.643**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 44.585, 41.098**, and **5, 23.178, 19.104** is the 20% darker color. If you saturate the color by 10%, you get **20, 45.005, 41.442**, and if you desaturate by 10%, it is **21, 40.287, 41.650**.

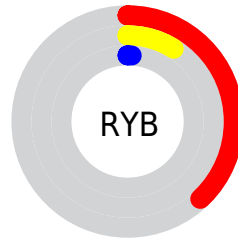
Distribution



Red (38%)

Green (8%)

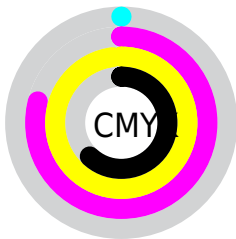
Blue (1%)



Red (38%)

Yellow (9%)

Blue (1%)

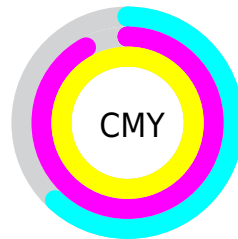


Cyan (0%)

Magenta (79%)

Yellow (98%)

Black (62%)



Cyan (62%)

Magenta (92%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 44.240, 41.394 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 20, 44.240, 41.394 by changing the saturation by 10% instead.

 20, 44.240, 41.394

 20, 44.240, 41.394

 100, 44.240,
41.394

 10, 44.240, 41.394

 40, 44.240, 41.394

 0, 44.240, 41.394

 50, 44.240, 41.394

 60, 44.240, 41.394

 70, 44.240, 41.394

 80, 44.240, 41.394

 90, 44.240, 41.394

 20, 44.240, 41.394

 20, 44.240, 41.394

■ 20, 45.005, 41.442

■ 21, 40.287, 41.650

■ 23, 35.258, 41.083

■ 25, 29.869, 40.138

■ 27, 24.629, 39.384

■ 29, 19.644, 38.844

■ 31, 14.963, 38.501

■ 34, 10.599, 38.322

■ 36, 6.547, 38.270

■ 39, 2.790, 38.277

Harmonies

Complementary

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



20, 44.240, 41.394



30, 21.159, 230.643

Rectangle

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



20, 44.240, 41.394



20, 44.240, 91.394



20, 44.240, 221.394



20, 44.240, 271.394

Sweetspot

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



20, 44.239, 41.397



43, 13.768, 38.345



20, 48.985, 336.353



21, 9.633, 38.392



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



20, 44.239, 41.397



27, 57.041, 43.027



30, 39.762, 79.301



19, 1.992, 38.279



24, 51.899, 42.514



52, 95.526, 42.871

Inverse Universe

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



30, 21.159, 230.643



39, 25.753, 232.361



15, 44.863, 294.572



19, 1.892, 218.809



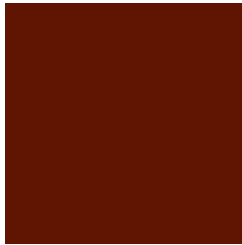
35, 23.830, 231.901



73, 41.825, 234.419

Previews

White Background



This preview shows how the CIELCh color 20, 44.240, 41.394 looks on a white background.

Color Contrast Check

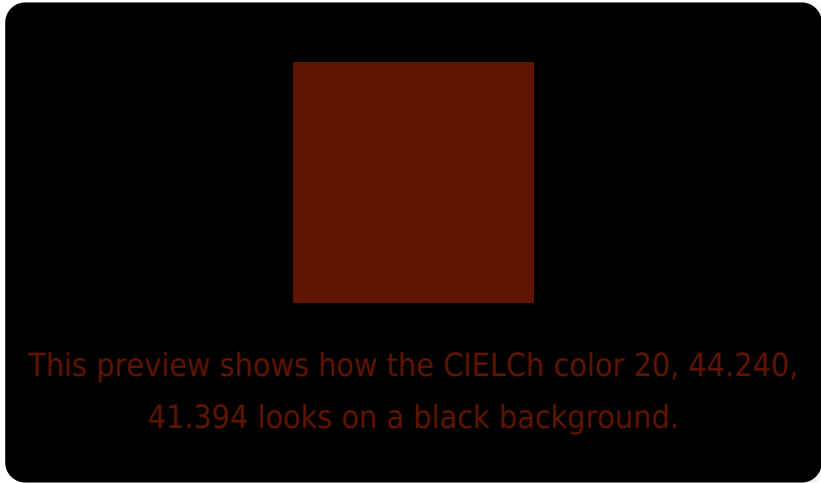
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

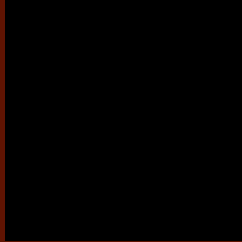
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 44.240, 41.394

Background



This preview shows how black text looks on a background with the CIELCh color 20, 44.240, 41.394.



This preview shows how white text looks on a background with the CIELCh color 20, 44.240, 41.394.

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

20, 44.240, 41.394

Protanopia

21, 24.727, 96.693

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 40.277, 32.032

Trichromacy



Original Color
20, 44.240, 41.394

Protanomaly
20, 27.579, 65.133

Deuteranomaly
20, 32.088, 61.965

Tritanomaly
20, 41.902, 35.984

Monochromacy



Original Color
20, 44.240, 41.394

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 16.054, 37.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 44.240, 41.394 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(96, 20, 2)` looks like.

```
.text, #text, p{  
    color:rgb(96, 20, 2)  
}
```

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(96, 20, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 20, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 44.240, 41.394 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(96, 20, 2) }
```

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

```
.border{ border-color:rgb(96, 20, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 20, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 20, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 20, 2); box-shadow:4px  
4px 4px 4px rgb(96, 20, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 44.240, 41.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 20, 2) }
```

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

```
.background{ background-color: rgb(96, 20,  
2) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor