

Converting Colors

CIELCh(20, 44.876, 42.926)

Have a look what the booklet for
CIELCh(20, 44.876, 42.926) contains.

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Color

CIELCh(20, 44.725, 42.208)

Conversions

Conversions Part 1

Format	Color
Hex	601400
RGB	96, 20, 0
RGB Percent	38%, 8%, 0%
CMY	0.6234, 0.9215, 0.9999
CMYK	0.00, 0.79, 1.00, 0.62
HSL	13°, 100%, 19%
HSV	13°, 100%, 38%
XYZ	5.0767, 2.9891, 0.3101
YIQ	40.4440, 51.7160, 9.8920

Conversions

Conversions Part 2

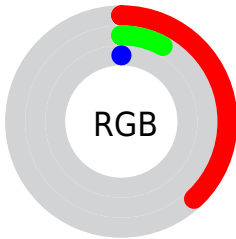
Format	Color
R_{YB}	96, 25, 0
Decimal	6296576
CIE Lab	20.00, 33.13, 30.05
CIE LCh	20, 44.725, 42.208
Yxy	2.9891, 0.6061, 0.3569
Android (android.graphics.Color)	4284486656 (0xFF601400)
YUV	40.4440, -19.9389, 48.7226
Hunter-Lab	17.2889, 22.1595, 11.0388

Details

The CIELCh color **20, 44.725, 42.208** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 21.444, 234.600**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 44.913, 41.691**, and **5, 23.178, 19.104** is the 20% darker color. If you saturate the color by 10%, you get **20, 44.734, 42.211**, and if you desaturate by 10%, it is **21, 40.824, 42.472**.

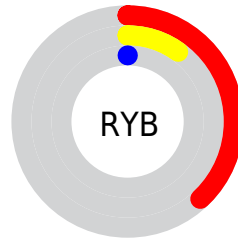
Distribution



Red (38%)

Green (8%)

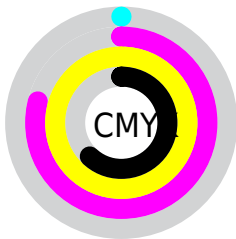
Blue (0%)



Red (38%)

Yellow (10%)

Blue (0%)

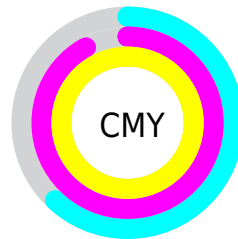


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (62%)



Cyan (62%)

Magenta (92%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 44.725, 42.208 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, 44.725, 42.208 by changing the saturation by 10% instead.

 20, 44.725, 42.208

 20, 44.725, 42.208

 100, 44.725,
42.208

 10, 44.725, 42.208

 0, 44.725, 42.208

 40, 44.725, 42.208

 50, 44.725, 42.208

 60, 44.725, 42.208

 70, 44.725, 42.208

 80, 44.725, 42.208

 90, 44.725, 42.208

 20, 44.725, 42.208

 20, 44.725, 42.208

■ 20, 44.734, 42.211

■ 21, 40.824, 42.472

■ 23, 36.041, 42.342

■ 25, 30.676, 41.539

■ 27, 25.433, 40.889

■ 29, 20.434, 40.433

■ 31, 15.734, 40.162

■ 33, 11.349, 40.051

■ 36, 7.275, 40.064

■ 38, 3.496, 40.150

Harmonies

Complementary

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



20, 44.725, 42.208



29, 21.444, 234.600

Rectangle

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



20, 44.725, 42.208



20, 44.725, 92.208



20, 44.725, 222.208



20, 44.725, 272.208

Sweetspot

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



20, 44.724, 42.211



43, 14.159, 40.055



20, 48.844, 337.418



21, 9.846, 40.077



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, 44.724, 42.211



27, 56.679, 43.680



31, 40.630, 80.496



19, 1.973, 40.159



24, 51.572, 43.213



53, 94.878, 43.361

Inverse Universe

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



29, 21.444, 234.600



39, 25.923, 235.905



14, 47.107, 296.054



19, 1.876, 220.820



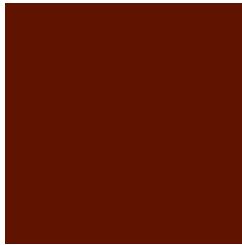
35, 23.975, 235.407



72, 42.208, 238.129

Previews

White Background



This preview shows how the CIELCh color 20, 44.725, 42.208 looks on a white background.

Color Contrast Check

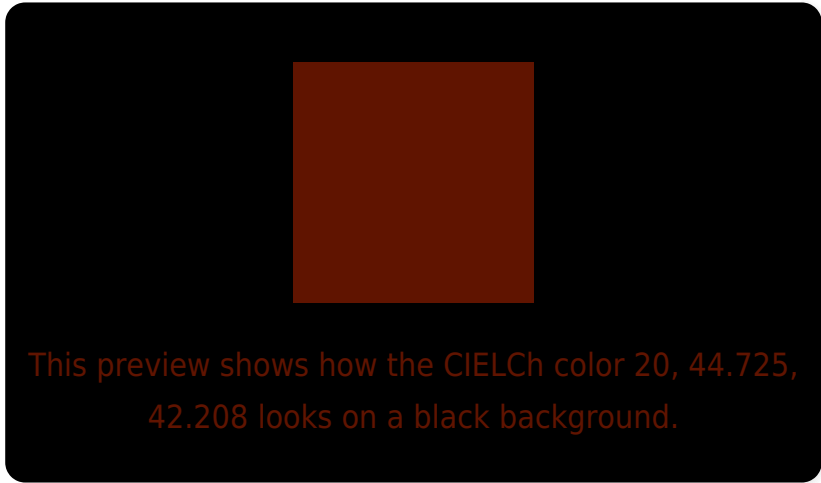
Large Text (above 18pt) WCAG AA ✓ Pass

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

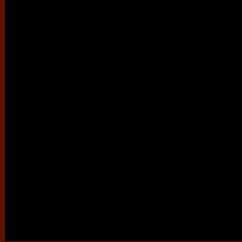
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 44.725, 42.208

Background



This preview shows how black text looks on a background with the CIELCh color 20, 44.725, 42.208.



This preview shows how white text looks on a background with the CIELCh color 20, 44.725, 42.208.

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, 44.725, 42.208

Protanopia

21, 25.165, 96.730

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 40.277, 32.032

Trichromacy



Original Color
20, 44.725, 42.208

Protanomaly
20, 27.920, 65.568

Deuteranomaly
20, 32.418, 62.366

Tritanomaly
20, 42.144, 36.513

Monochromacy



Original Color
20, 44.725, 42.208

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 16.207, 42.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 44.725, 42.208 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 20, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 20, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 44.725, 42.208 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, 0) }
```

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

```
.border{ border-color:rgb(96, 20, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 20, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 20, 0); box-shadow:4px  
4px 4px 4px rgb(96, 20, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 44.725, 42.208 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, 0) }
```

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

```
.background{ background-color: rgb(96, 20,  
0) }
```

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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