

Converting Colors

CIELCh(20, 41.418, 14.725)

Have a look what the booklet for
CIELCh(20, 41.418, 14.725) contains.

CIELCh(20, 41.244, 14.655)	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, 41.244, 14.655)

Conversions

Conversions Part 1

Format	Color
Hex	640723
RGB	100, 7, 35
RGB Percent	39%, 3%, 14%
CMY	0.6076, 0.9721, 0.8625
CMYK	0.00, 0.93, 0.65, 0.61
HSL	342°, 87%, 21%
HSV	342°, 93%, 39%
XYZ	5.6446, 2.9891, 1.8736
YIQ	37.9990, 46.4400, 28.4240

Conversions

Conversions Part 2

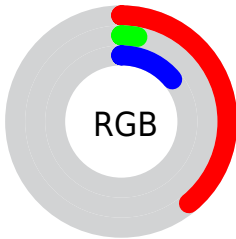
Format	Color
R_{YB}	100, 7, 35
Decimal	6555427
CIE Lab	20.00, 39.90, 10.43
CIE LCh	20, 41.244, 14.655
Yxy	2.9891, 0.5372, 0.2845
Android (android.graphics.Color)	4284745507 (0xFF640723)
YUV	37.9990, -1.4785, 54.3749
Hunter-Lab	17.2889, 28.0221, 5.6768

Details

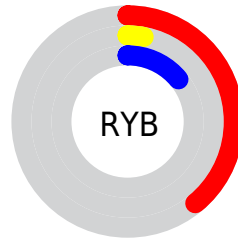
The CIELCh color **20, 41.244, 14.655** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 33.370, 164.377**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 41.129, 14.933**, and **6, 26.393, 19.761** is the 20% darker color. If you saturate the color by 10%, you get **19, 43.405, 17.415**, and if you desaturate by 10%, it is **21, 38.319, 10.624**.

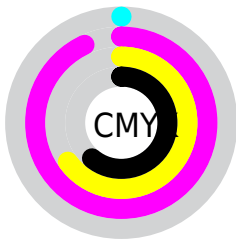
Distribution



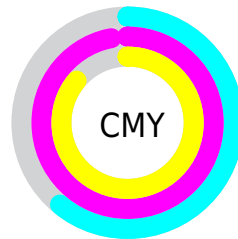
- Red (39%)
- Green (3%)
- Blue (14%)



- Red (39%)
- Yellow (3%)
- Blue (14%)



- Cyan (0%)
- Magenta (93%)
- Yellow (65%)
- Black (61%)



- Cyan (61%)
- Magenta (97%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 41.244, 14.655 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, 41.244, 14.655 by changing the saturation by 10% instead.

 20, 41.244, 14.655

 20, 41.244, 14.655

 100, 41.244,
14.655

 10, 41.244, 14.655

 0, 41.244, 14.655

 40, 41.244, 14.655

 50, 41.244, 14.655

 60, 41.244, 14.655

 70, 41.244, 14.655

 80, 41.244, 14.655

 90, 41.244, 14.655

 20, 41.244, 14.655

 20, 41.244, 14.655

19, 43.405, 17.415

21, 38.319, 10.624

23, 34.719, 7.313

25, 30.487, 4.662

27, 25.806, 2.529

30, 20.874, 0.787

32, 15.857,
359.339

35, 10.880,
358.109

38, 6.022, 357.036

41, 1.330, 355.948

Harmonies

Complementary

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



20, 41.244, 14.655



37, 33.370, 164.377

Rectangle

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



20, 41.244, 14.655



20, 41.244, 64.655



20, 41.244, 194.655



20, 41.244, 244.655

Sweetspot

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



20, 41.242, 14.657



44, 16.648, 358.814



17, 57.627, 317.516



21, 11.633, 359.220



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



20, 41.242, 14.657



26, 52.710, 19.210



22, 44.103, 41.296



19, 2.642, 356.636



23, 48.011, 18.402



51, 84.816, 22.122

Inverse Universe

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



20, 41.242, 14.657



26, 52.710, 19.210



32, 21.389, 227.864



19, 2.642, 356.636



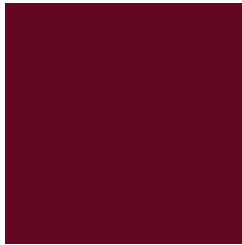
23, 48.011, 18.402



51, 84.816, 22.122

Previews

White Background



This preview shows how the CIELCh color 20, 41.244, 14.655 looks on a white background.

Color Contrast Check

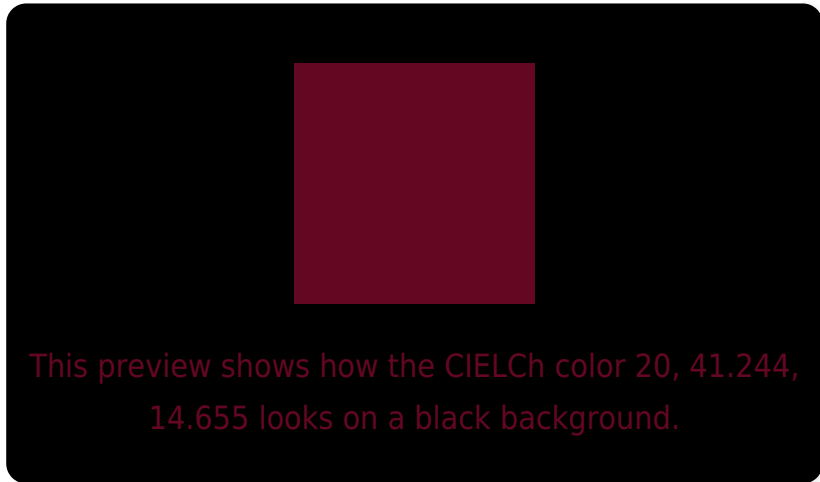
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.244, 14.655

Background



This preview shows how black text looks on a background with the CIELCh color 20, 41.244, 14.655.



This preview shows how white text looks on a background with the CIELCh color 20, 41.244, 14.655.

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, 41.244, 14.655

Protanopia

21, 0.465, 19.041

Deuteranopia

21, 14.010, 77.844



Tritanopia
20, 43.845, 33.985

Trichromacy



Original Color
20, 41.244, 14.655

Protanomaly
19, 17.618, 1.881

Deuteranomaly
19, 22.296, 28.401

Tritanomaly
20, 42.298, 27.344

Monochromacy



Original Color
20, 41.244, 14.655

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 17.998, 2.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 41.244, 14.655 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(100, 7, 35)` looks like.

```
.text, #text, p{  
    color:rgb(100, 7, 35)  
}
```

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(100, 7, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 7, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 41.244, 14.655 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(100, 7, 35) }
```

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

```
.border{ border-color:rgb(100, 7, 35) }
```

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

Here you see how a box with a 4 pixel rgb(100, 7, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 7, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 7, 35);  
box-shadow:4px 4px 4px 4px rgb(100, 7, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 41.244, 14.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 7, 35) }
```

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

```
.background{ background-color: rgb(100, 7,  
35) }
```

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