

Converting Colors

CIELCh(20, 46.550, 24.793)

Have a look what the booklet for
CIELCh(20, 46.550, 24.793) contains.

CIELCh(20, 46.526, 25.263)	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, 46.526, 25.263)

Conversions

Conversions Part 1

Format	Color
Hex	680016
RGB	104, 0, 22
RGB Percent	41%, 0%, 9%
CMY	0.5927, 1.0000, 0.9141
CMYK	0.00, 1.00, 0.79, 0.59
HSL	347°, 100%, 20%
HSV	347°, 100%, 41%
XYZ	5.8354, 2.9891, 1.0238
YIQ	33.6040, 54.9220, 28.8900

Conversions

Conversions Part 2

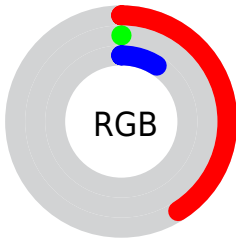
Format	Color
R_{YB}	104, 0, 22
Decimal	6815766
CIE Lab	20.00, 42.08, 19.86
CIE LCh	20, 46.526, 25.263
Yxy	2.9891, 0.5925, 0.3035
Android (android.graphics.Color)	4285005846 (0xFF680016)
YUV	33.6040, -5.7208, 61.7373
Hunter-Lab	17.2889, 29.9923, 8.5913

Details

The CIELCh color **20, 46.526, 25.263** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **39, 32.129, 170.851**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 46.266, 25.679**, and **7, 27.542, 20.544** is the 20% darker color. If you saturate the color by 10%, you get **20, 46.496, 25.302**, and if you desaturate by 10%, it is **21, 42.787, 21.147**.

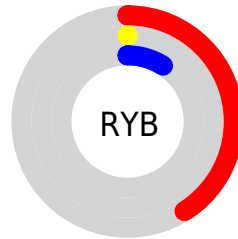
Distribution



Red (41%)

Green (0%)

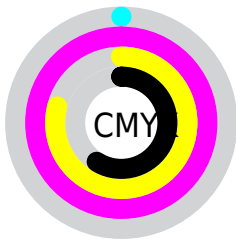
Blue (9%)



Red (41%)

Yellow (0%)

Blue (9%)

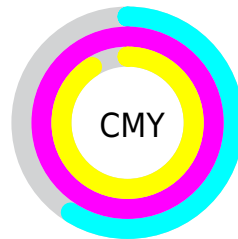


Cyan (0%)

Magenta (100%)

Yellow (79%)

Black (59%)



Cyan (59%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 46.526, 25.263 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, 46.526, 25.263 by changing the saturation by 10% instead.

 20, 46.526, 25.263

 20, 46.526, 25.263

 100, 46.526,
25.263

 10, 46.526, 25.263

 40, 46.526, 25.263

 0, 46.526, 25.263

 50, 46.526, 25.263

 60, 46.526, 25.263

 70, 46.526, 25.263

 80, 46.526, 25.263

 90, 46.526, 25.263

 20, 46.526, 25.263

 20, 46.526, 25.263

20, 46.496, 25.302

21, 42.787, 21.147

22, 39.014, 17.008

24, 34.668, 13.621

26, 29.864, 10.904

29, 24.779, 8.725

32, 19.590, 6.962

34, 14.439, 5.512

38, 9.424, 4.295

41, 4.603, 3.237

Harmonies

Complementary

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



20, 46.526, 25.263



39, 32.129, 170.851

Rectangle

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



20, 46.526, 25.263



20, 46.526, 75.263



20, 46.526, 205.263



20, 46.526, 255.263

Sweetspot

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



20, 46.496, 25.302



45, 17.954, 5.625



19, 60.914, 320.516



21, 12.416, 6.053



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



20, 46.496, 25.302



27, 56.851, 27.048



23, 46.651, 46.612



19, 2.539, 3.126



23, 50.153, 26.014



51, 89.538, 29.641

Inverse Universe

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



20, 46.496, 25.302



27, 56.851, 27.048



29, 24.182, 250.031



19, 2.539, 3.126



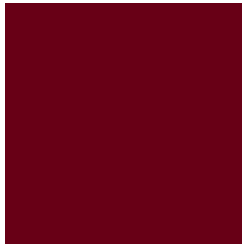
23, 50.153, 26.014



51, 89.538, 29.641

Previews

White Background



This preview shows how the CIE LCh color 20, 46.526, 25.263 looks on a white background.

Color Contrast Check

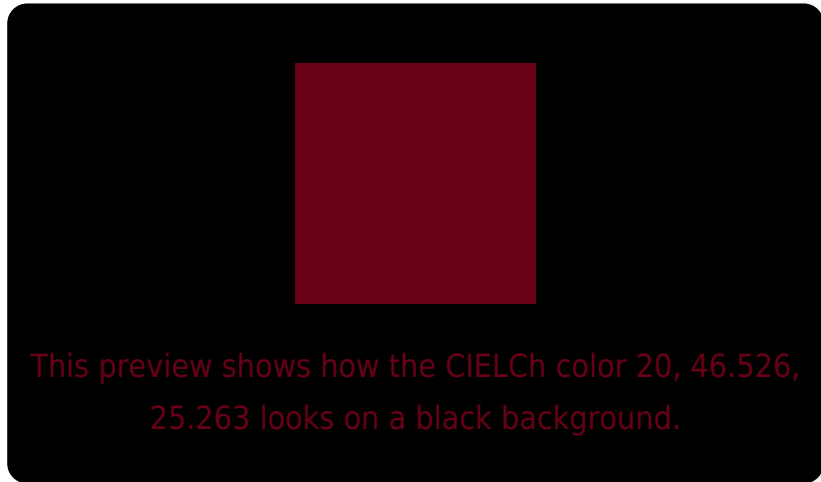
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.526, 25.263

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.526, 25.263.



This preview shows how white text looks on a background with the CIELCh color 20, 46.526, 25.263.

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, 46.526, 25.263

Protanopia

22, 12.762, 97.970

Deuteranopia

22, 24.395, 83.455



Tritanopia
21, 49.663, 37.768

Trichromacy



Original Color
20, 46.526, 25.263

Protanomaly
19, 21.740, 31.657

Deuteranomaly
19, 29.406, 43.163

Tritanomaly
20, 48.589, 34.253

Monochromacy



Original Color
20, 46.526, 25.263

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.510, 9.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.526, 25.263 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(104, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 22)  
}
```

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(104, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 46.526, 25.263 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(104, 0, 22) }
```

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

```
.border{ border-color:rgb(104, 0, 22) }
```

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

Here you see how a box with a 4 pixel rgb(104, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(104, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 46.526, 25.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 22) }
```

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

```
.background{ background-color: rgb(104, 0,  
22) }
```

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