

Converting Colors

CIELCh(25, 51.623, 20.846)

Have a look what the booklet for
CIELCh(25, 51.623, 20.846) contains.

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Color

CIELCh(25, 51.261, 20.545)

Conversions

Conversions Part 1

Format	Color
Hex	7C0023
RGB	124, 0, 35
RGB Percent	49%, 0%, 14%
CMY	0.5134, 0.9995, 0.8625
CMYK	0.00, 1.00, 0.72, 0.51
HSL	343°, 100%, 24%
HSV	343°, 100%, 49%
XYZ	8.6294, 4.4155, 1.9921
YIQ	41.0660, 62.6690, 37.1730

Conversions

Conversions Part 2

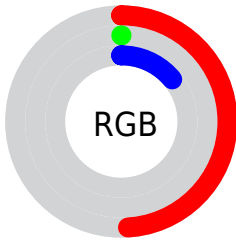
Format	Color
RYB	124, 0, 35
Decimal	8126499
CIELab	25.00, 48.00, 17.99
CIElCh	25, 51.261, 20.545
Yxy	4.4155, 0.5739, 0.2936
Android (android.graphics.Color)	4286316579 (0xFF7C0023)
YUV	41.0660, -2.9905, 72.7331
Hunter-Lab	21.0130, 36.5317, 9.0884

Details

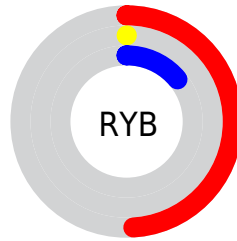
The CIELCh color **25, 51.261, 20.545** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **46, 39.984, 164.147**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 51.483, 20.506**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.298, 20.595**, and if you desaturate by 10%, it is **26, 47.972, 15.980**.

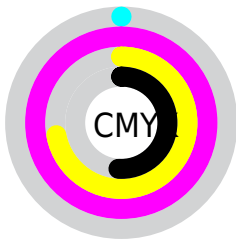
Distribution



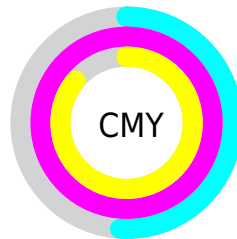
- Red (49%)
- Green (0%)
- Blue (14%)



- Red (49%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 51.261, 20.545 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 25, 51.261, 20.545 by changing the saturation by 10% instead.

 25, 51.261, 20.545

 25, 51.261, 20.545

 100, 51.261,
20.545

 15, 51.261, 20.545

 45, 51.261, 20.545

 5, 51.261, 20.545

 55, 51.261, 20.545

 0, 51.261, 20.545

 65, 51.261, 20.545

 75, 51.261, 20.545

 85, 51.261, 20.545

 95, 51.261, 20.545

 25, 51.261, 20.545

 25, 51.261, 20.545

25, 51.298, 20.595

26, 47.972, 15.980

27, 44.315, 11.794

29, 39.818, 8.421

32, 34.611, 5.734

35, 28.925, 3.582

38, 22.997, 1.833

41, 17.022, 0.384

45, 11.137,
359.156

48, 5.430, 358.079

Harmonies

Complementary

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



25, 51.261, 20.545



46, 39.984, 164.147

Rectangle

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



25, 51.261, 20.545



25, 51.261, 70.545



25, 51.261, 200.545



25, 51.261, 250.545

Sweetspot

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



25, 51.259, 20.547



53, 21.130, 0.493



22, 69.873, 318.205



26, 14.598, 0.976



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



25, 51.259, 20.547



33, 62.399, 22.074



27, 56.099, 43.992



24, 3.053, 357.992



25, 51.568, 20.639



53, 88.479, 23.950

Inverse Universe

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



25, 51.259, 20.547



33, 62.399, 22.074



38, 25.897, 237.583



24, 3.053, 357.992



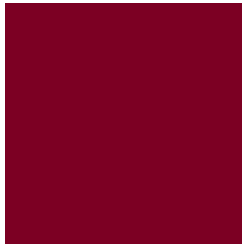
25, 51.568, 20.639



53, 88.479, 23.950

Previews

White Background



This preview shows how the CIE LCh color 25, 51.261, 20.545 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

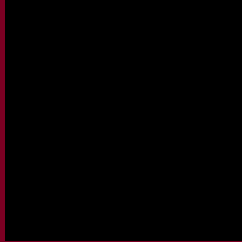
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 51.261, 20.545

Background



This preview shows how black text looks on a background with the CIELCh color 25, 51.261, 20.545.



This preview shows how white text looks on a background with the CIELCh color 25, 51.261, 20.545.

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

25, 51.261, 20.545

Protanopia

27, 7.387, 93.691

Deuteranopia

27, 22.235, 80.610



Tritanopia
26, 55.520, 36.897

Trichromacy



Original Color
25, 51.261, 20.545

Protanomaly
23, 23.707, 15.955

Deuteranomaly
23, 30.820, 34.407

Tritanomaly
25, 53.689, 31.739

Monochromacy



Original Color
25, 51.261, 20.545

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.135, 4.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 51.261, 20.545 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(124, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 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(124, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 51.261, 20.545 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(124, 0, 35) }
```

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

```
.border{ border-color:rgb(124, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(124, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 51.261, 20.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 35) }
```

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

```
.background{ background-color: rgb(124, 0,  
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](#).

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