

Converting Colors

CIELCh(25, 52.355, 22.137)

Have a look what the booklet for
CIELCh(25, 52.355, 22.137) contains.

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Color

CIELCh(25, 52.017, 22.186)

Conversions

Conversions Part 1

Format	Color
Hex	7D0021
RGB	125, 0, 33
RGB Percent	49%, 0%, 13%
CMY	0.5117, 1.0000, 0.8719
CMYK	0.00, 1.00, 0.74, 0.51
HSL	344°, 100%, 24%
HSV	344°, 100%, 49%
XYZ	8.6485, 4.4155, 1.8105
YIQ	41.1370, 63.9070, 36.7630

Conversions

Conversions Part 2

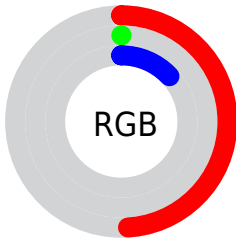
Format	Color
R_{YB}	125, 0, 33
Decimal	8192033
CIE Lab	25.00, 48.17, 19.64
CIE LCh	25, 52.017, 22.186
Yxy	4.4155, 0.5814, 0.2969
Android (android.graphics.Color)	4286382113 (0xFF7D0021)
YUV	41.1370, -4.0115, 73.5479
Hunter-Lab	21.0130, 36.6935, 9.6008

Details

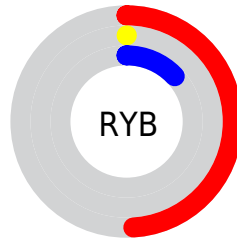
The CIELCh color **25, 52.017, 22.186** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **46, 39.161, 165.753**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 52.174, 21.902**, and **11, 35.320, 28.720** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.907, 22.307**, and if you desaturate by 10%, it is **26, 48.422, 17.708**.

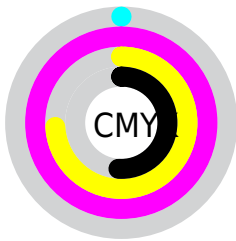
Distribution



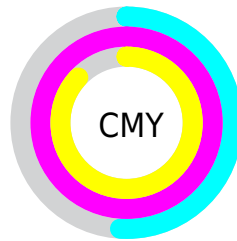
- Red (49%)
- Green (0%)
- Blue (13%)



- Red (49%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 52.017, 22.186 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, 52.017, 22.186 by changing the saturation by 10% instead.

 25, 52.017, 22.186

 25, 52.017, 22.186

 100, 52.017,
22.186

 15, 52.017, 22.186

 45, 52.017, 22.186

 5, 52.017, 22.186

 55, 52.017, 22.186

 0, 52.017, 22.186

 65, 52.017, 22.186

 75, 52.017, 22.186

 85, 52.017, 22.186

 95, 52.017, 22.186

 25, 52.017, 22.186

 25, 52.017, 22.186

25, 51.907, 22.307

26, 48.422, 17.708

27, 44.607, 13.447

29, 39.993, 10.000

32, 34.705, 7.251

35, 28.966, 5.053

38, 23.008, 3.272

41, 17.024, 1.802

45, 11.146, 0.561

48, 5.459, 359.478

Harmonies

Complementary

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



25, 52.017, 22.186



46, 39.161, 165.753

Rectangle

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



25, 52.017, 22.186



25, 52.017, 72.186



25, 52.017, 202.186



25, 52.017, 252.186

Sweetspot

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



25, 51.907, 22.307



53, 20.993, 1.896



23, 69.893, 318.729



25, 14.510, 2.384



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, 51.907, 22.307



33, 63.036, 23.765



27, 55.946, 44.729



24, 3.025, 359.379



25, 52.045, 22.329



53, 89.489, 25.633

Inverse Universe

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



25, 51.907, 22.307



33, 63.036, 23.765



37, 26.277, 241.110



24, 3.025, 359.379



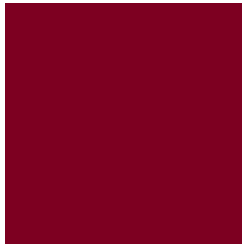
25, 52.045, 22.329



53, 89.489, 25.633

Previews

White Background



This preview shows how the CIE LCh color 25, 52.017, 22.186 looks on a white background.

Color Contrast Check

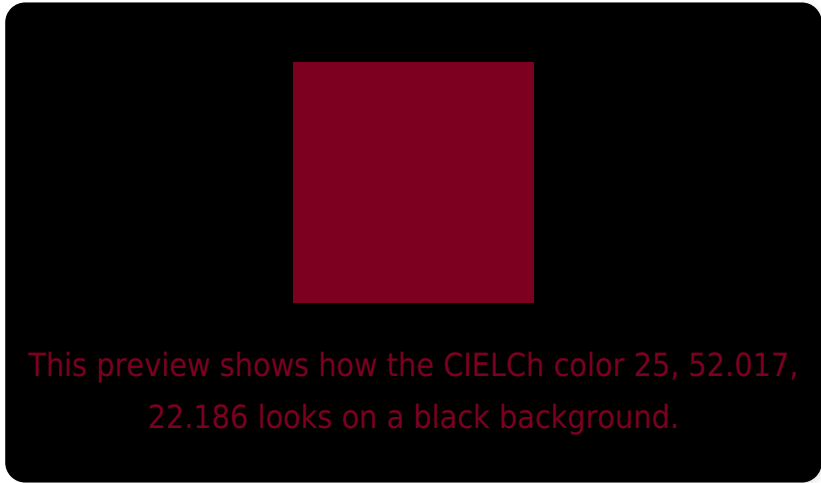
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.017, 22.186

Background



This preview shows how black text looks on a background with the CIELCh color 25, 52.017, 22.186.



This preview shows how white text looks on a background with the CIELCh color 25, 52.017, 22.186.

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, 52.017, 22.186

Protanopia

27, 9.394, 93.318

Deuteranopia

27, 24.132, 80.781



Tritanopia
26, 56.115, 37.387

Trichromacy



Original Color
25, 52.017, 22.186

Protanomaly
23, 24.468, 20.855

Deuteranomaly
24, 32.251, 37.361

Tritanomaly
25, 54.399, 32.673

Monochromacy



Original Color
25, 52.017, 22.186

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.073, 6.648

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 25, 52.017, 22.186 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(125, 0, 33)` looks like.

```
.text, #text, p{  
  color:rgb(125, 0, 33)  
}
```

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(125, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 52.017, 22.186 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(125, 0, 33) }
```

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

```
.border{ border-color:rgb(125, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(125, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 52.017, 22.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 33) }
```

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

```
.background{ background-color: rgb(125, 0,  
33) }
```

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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