

Converting Colors

CIELCh(25, 50.574, 20.254)

Have a look what the booklet for
CIELCh(25, 50.574, 20.254) contains.

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Color

CIELCh(25, 50.409, 19.904)

Conversions

Conversions Part 1

Format	Color
Hex	7B0224
RGB	123, 2, 36
RGB Percent	48%, 1%, 14%
CMY	0.5165, 0.9903, 0.8580
CMYK	0.00, 0.98, 0.71, 0.52
HSL	343°, 96%, 25%
HSV	343°, 98%, 48%
XYZ	8.5602, 4.4155, 2.0875
YIQ	42.0550, 61.2020, 36.2260

Conversions

Conversions Part 2

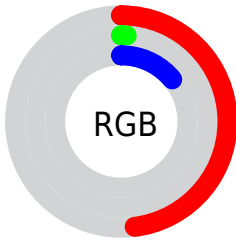
Format	Color
R_{YB}	123, 2, 36
Decimal	8061476
CIE Lab	25.00, 47.40, 17.16
CIE LCh	25, 50.409, 19.904
Yxy	4.4155, 0.5683, 0.2931
Android (android.graphics.Color)	4286251556 (0xFF7B0224)
YUV	42.0550, -2.9851, 70.9888
Hunter-Lab	21.0130, 35.9433, 8.8192

Details

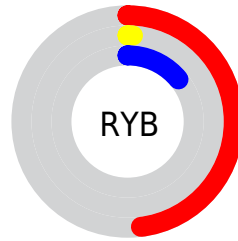
The CIELCh color **25, 50.409, 19.904** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **46, 39.268, 164.705**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 50.198, 19.983**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.114, 20.776**, and if you desaturate by 10%, it is **26, 47.139, 15.309**.

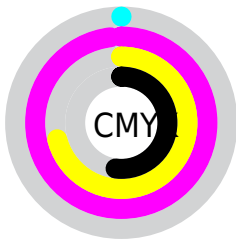
Distribution



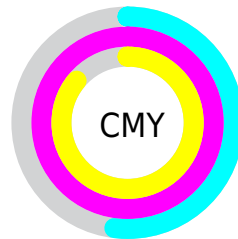
- Red (48%)
- Green (1%)
- Blue (14%)



- Red (48%)
- Yellow (1%)
- Blue (14%)



- Cyan (0%)
- Magenta (98%)
- Yellow (71%)
- Black (52%)



- Cyan (52%)
- Magenta (99%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 50.409, 19.904 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, 50.409, 19.904 by changing the saturation by 10% instead.

 25, 50.409, 19.904

 25, 50.409, 19.904

 100, 50.409,
19.904

 15, 50.409, 19.904

 45, 50.409, 19.904

 5, 50.409, 19.904

 55, 50.409, 19.904

 0, 50.409, 19.904

 65, 50.409, 19.904

 75, 50.409, 19.904

 85, 50.409, 19.904

 95, 50.409, 19.904

 25, 50.409, 19.904

 25, 50.409, 19.904

25, 51.114, 20.776

26, 47.139, 15.309

28, 43.317, 11.282

30, 38.677, 8.048

32, 33.377, 5.471

35, 27.651, 3.402

38, 21.731, 1.716

42, 15.797, 0.314

45, 9.975, 359.120

49, 4.342, 358.059

Harmonies

Complementary

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



25, 50.409, 19.904



46, 39.268, 164.705

Rectangle

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



25, 50.409, 19.904



25, 50.409, 69.904



25, 50.409, 199.904



25, 50.409, 249.904

Sweetspot

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



25, 50.407, 19.906



53, 20.377, 0.538



22, 68.892, 318.265



26, 14.163, 1.023



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, 50.407, 19.906



33, 62.478, 22.296



27, 54.838, 43.880



24, 3.049, 358.171



25, 51.627, 20.861



53, 88.605, 24.171

Inverse Universe

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



25, 50.407, 19.906



33, 62.478, 22.296



38, 25.597, 236.923



24, 3.049, 358.171



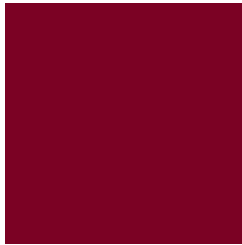
25, 51.627, 20.861



53, 88.605, 24.171

Previews

White Background



This preview shows how the CIELCh color 25, 50.409, 19.904 looks on a white background.

Color Contrast Check

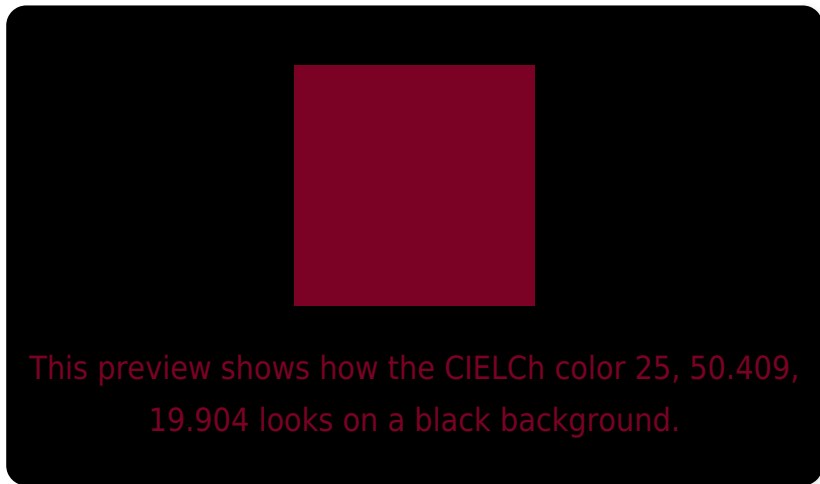
Large Text (above 18pt) WCAG AA ✓ Pass

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

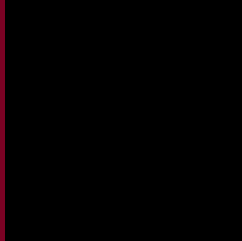
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 50.409, 19.904

Background



This preview shows how black text looks on a background with the CIELCh color 25, 50.409, 19.904.



This preview shows how white text looks on a background with the CIELCh color 25, 50.409, 19.904.

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, 50.409, 19.904

Protanopia

27, 6.009, 95.316

Deuteranopia

26, 21.426, 81.355



Tritanopia
26, 54.718, 36.680

Trichromacy



Original Color
25, 50.409, 19.904

Protanomaly
23, 22.657, 13.531

Deuteranomaly
23, 29.717, 34.400

Tritanomaly
25, 52.870, 31.219

Monochromacy



Original Color
25, 50.409, 19.904

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 22.546, 5.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 50.409, 19.904 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(123, 2, 36)` looks like.

```
.text, #text, p{  
    color:rgb(123, 2, 36)  
}
```

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(123, 2, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 2, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 50.409, 19.904 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(123, 2, 36) }
```

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

```
.border{ border-color:rgb(123, 2, 36) }
```

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

Here you see how a box with a 4 pixel rgb(123, 2, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 2, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 2, 36);  
box-shadow:4px 4px 4px 4px rgb(123, 2, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 50.409, 19.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 2, 36) }
```

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

```
.background{ background-color: rgb(123, 2,  
36) }
```

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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