

# Converting Colors

CIELCh(24, 61.518, 22.418)

Have a look what the booklet for  
CIELCh(24, 61.518, 22.418) contains.

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# Color

**CIELCh(26, 55.925, 27.832)**

# Conversions

Conversions Part 1	
Format	Color
Hex	820019
RGB	130, 0, 25
RGB Percent	51%, 0%, 10%
CMY	0.4915, 1.0000, 0.9015
CMYK	0.00, 1.00, 0.81, 0.49
HSL	348°, 100%, 25%
HSV	348°, 100%, 51%
XYZ	9.3108, 4.7465, 1.3512
YIQ	41.7200, 69.4550, 35.3350

# Conversions

## Conversions Part 2

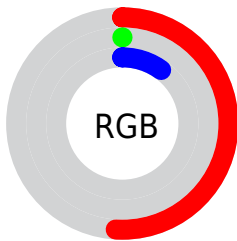
Format	Color
<a href="#">RYB</a>	<a href="#">130, 0, 25</a>
Decimal	<a href="#">8519705</a>
CIELab	<a href="#">26.00, 49.46, 26.11</a>
CIELCh	<a href="#">26, 55.925, 27.832</a>
Yxy	<a href="#">4.7465, 0.6043, 0.3080</a>
Android (android.graphics.Color)	<a href="#">4286709785</a> (0xFF820019)
YUV	<a href="#">41.7200, -8.2430, 77.4216</a>
Hunter-Lab	<a href="#">21.7865, 38.1582, 11.5734</a>

# Details

The CIELCh color **26, 55.925, 27.832** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **48, 37.076, 172.080**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 56.026, 28.156**, and **12, 37.152, 29.991** is the 20% darker color. If you saturate the color by 10%, you get **26, 55.655, 28.143**, and if you desaturate by 10%, it is **27, 51.416, 23.537**.

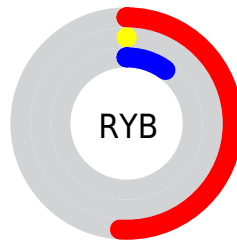
# Distribution



Red (51%)

Green (0%)

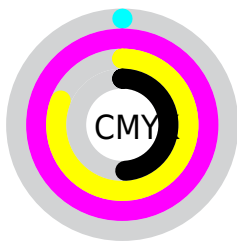
Blue (10%)



Red (51%)

Yellow (0%)

Blue (10%)

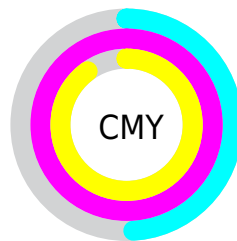


Cyan (0%)

Magenta (100%)

Yellow (81%)

Black (49%)



Cyan (49%)

Magenta (100%)

Yellow (90%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 55.925, 27.832 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 26, 55.925, 27.832 by changing the saturation by 10% instead.



 26, 55.925, 27.832

 26, 55.925, 27.832

 100, 55.925,  
27.832

 16, 55.925, 27.832

 46, 55.925, 27.832

 6, 55.925, 27.832

 56, 55.925, 27.832

 0, 55.925, 27.832

 66, 55.925, 27.832

 76, 55.925, 27.832

 86, 55.925, 27.832

 96, 55.925, 27.832

 26, 55.925, 27.832

 26, 55.925, 27.832

26, 55.655, 28.143

27, 51.416, 23.537

29, 46.871, 19.133

31, 41.647, 15.504

33, 35.865, 12.596

36, 29.737, 10.280

39, 23.484, 8.423

43, 17.286, 6.911

47, 11.265, 5.653

50, 5.493, 4.571

# Harmonies

# Complementary

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



26, 55.925, 27.832



48, 37.076, 172.080

# Rectangle

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



26, 55.925, 27.832



26, 55.925, 77.832



26, 55.925, 207.832



26, 55.925, 257.832

# Sweetspot

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



26, 55.655, 28.143



55, 21.422, 7.006



25, 71.252, 320.909



26, 14.650, 7.509



85, 0.010, 296.813



36, 0.005, 296.813



# Same Dimension

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



26, 55.655, 28.143



35, 68.116, 29.517



30, 56.235, 48.089



25, 3.046, 4.476



26, 54.935, 28.040



0, 0.000, 0.000





# Inverse Universe

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



26, 55.655, 28.143



35, 68.116, 29.517



36, 29.254, 254.469



25, 3.046, 4.476



26, 54.935, 28.040



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIE LCh color 26, 55.925, 27.832 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



This preview shows how the CIELCh color 26, 55.925, 27.832 looks on a 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 26, 55.925, 27.832**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 26, 55.925, 27.832.



This preview shows how white text looks on a background with the CIELCh color 26, 55.925, 27.832.

# 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

26, 55.808, 28.256

### Protanopia

28, 17.469, 96.723

### Deuteranopia

28, 31.011, 82.782



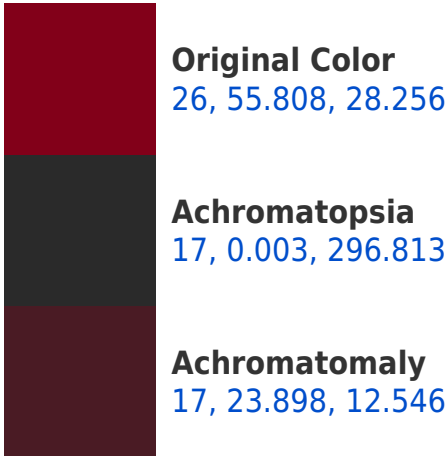
**Tritanopia**  
26, 60.539, 40.109



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIElCh 26, 55.925, 27.832 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(130, 0, 25)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 25)  
}
```

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(130, 0, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 25) }
```

## Border

The CSS property to change the border of an element to CIELCh 26, 55.925, 27.832 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(130, 0, 25) }
```

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

```
.border{ border-color:rgb(130, 0, 25) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 25);  
box-shadow:4px 4px 4px 4px rgb(130, 0, 25)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 26, 55.925, 27.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 25) }
```

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

```
.background{ background-color: rgb(130, 0,  
25) }
```

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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