

# Converting Colors

CIELCh(26, 15.893, 23.803)

Have a look what the booklet for  
CIELCh(26, 15.893, 23.803) contains.

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# Color

**CIELCh(26, 15.695, 24.805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	553534
RGB	85, 53, 52
RGB Percent	33%, 21%, 20%
CMY	0.6661, 0.7916, 0.7955
CMYK	0.00, 0.38, 0.39, 0.67
HSL	2°, 24%, 27%
HSV	2°, 39%, 33%
XYZ	5.6625, 4.7465, 3.8826
YIQ	62.4540, 19.3930, 6.4730

# Conversions

## Conversions Part 2

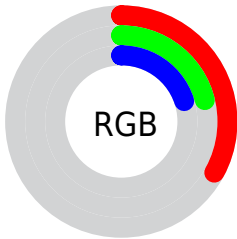
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 53, 52
Decimal	5584180
CIE <sub>Lab</sub>	26.00, 14.25, 6.58
CIE <sub>LCh</sub>	26, 15.695, 24.805
Yxy	4.7465, 0.3962, 0.3321
Android (android.graphics.Color)	4283774260 (0xFF553534)
YUV	62.4540, -5.1538, 19.7728
Hunter-Lab	21.7865, 8.2678, 4.6843

# Details

The CIELCh color **26, 15.695, 24.805** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 12.196, 200.744**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 15.777, 25.628**, and **6, 15.571, 25.688** is the 20% darker color. If you saturate the color by 10%, you get **24, 20.392, 26.113**, and if you desaturate by 10%, it is **29, 11.246, 23.795**.

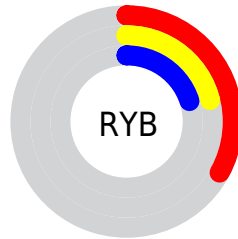
# Distribution



Red (33%)

Green (21%)

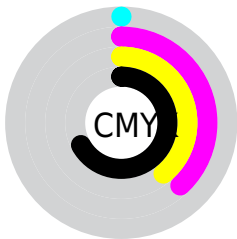
Blue (20%)



Red (33%)

Yellow (21%)

Blue (20%)

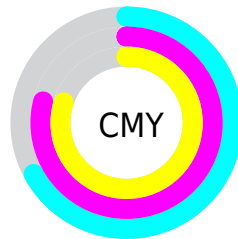


Cyan (0%)

Magenta (38%)

Yellow (39%)

Black (67%)



Cyan (67%)

Magenta (79%)

Yellow (80%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 15.695, 24.805 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, 15.695, 24.805 by changing the saturation by 10% instead.



 26, 15.695, 24.805

 26, 15.695, 24.805

 100, 15.695,  
24.805

 16, 15.695, 24.805

 46, 15.695, 24.805

 6, 15.695, 24.805

 56, 15.695, 24.805

 0, 15.695, 24.805

 66, 15.695, 24.805

 76, 15.695, 24.805

 86, 15.695, 24.805

 96, 15.695, 24.805

 26, 15.695, 24.805

 26, 15.695, 24.805

24, 20.392, 26.113

29, 11.246, 23.795

21, 25.282, 27.781

31, 7.076, 23.002

19, 30.271, 29.880

34, 3.187, 22.348

18, 35.174, 32.311

37, 0.429, 202.673

17, 39.049, 33.468

39, 3.792, 201.691

16, 42.205, 34.226

42, 6.925, 201.373

15, 42.599, 34.296

45, 9.850, 201.139

48, 12.591,  
200.960

50, 15.168,  
200.821

# Harmonies

# Complementary

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



26, 15.695, 24.805



33, 12.196, 200.744

# Rectangle

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



26, 15.695, 24.805



26, 15.695, 74.805



26, 15.695, 204.805



26, 15.695, 254.805

# Sweetspot

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



26, 15.694, 24.809



42, 5.443, 22.577



27, 24.868, 326.815



21, 3.648, 22.618



75, 0.009, 296.813



24, 0.004, 296.813



# Same Dimension

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



26, 15.694, 24.809



31, 24.193, 26.078



31, 13.479, 72.701



16, 2.064, 22.350



21, 52.232, 37.356



49, 97.803, 40.237





# Inverse Universe

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



33, 12.196, 200.744



42, 17.459, 200.556



28, 12.325, 263.109



17, 1.961, 201.761



39, 25.427, 201.037



82, 45.086, 201.365



# Previews

## White Background



This preview shows how the CIE LCh color 26, 15.695, 24.805 looks on a white background.

## Color Contrast Check

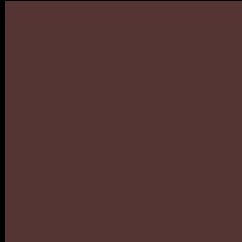
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



This preview shows how the CIE LCh color 26, 15.695, 24.805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

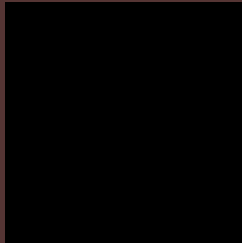
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 26, 15.695, 24.805

## Background



This preview shows how black text looks on a background with the CIELCh color 26, 15.695, 24.805.

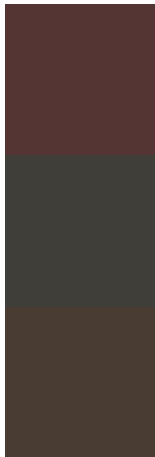


This preview shows how white text looks on a background with the CIELCh color 26, 15.695, 24.805.

# 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, 15.695, 24.805

### Protanopia

26, 4.013, 95.922

### Deuteranopia

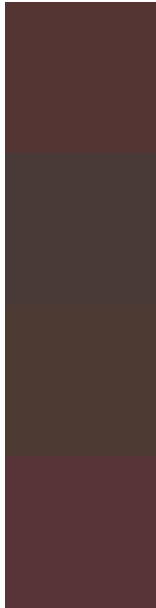
26, 8.324, 64.456



**Tritanopia**  
26, 16.396, 13.828



# Trichromacy



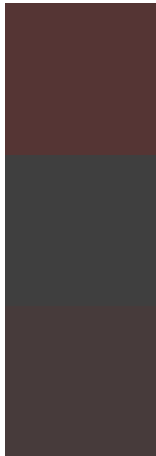
**Original Color**  
26, 15.695, 24.805

**Protanomaly**  
26, 6.751, 42.960

**Deuteranomaly**  
26, 10.457, 46.418

**Tritanomaly**  
26, 16.412, 16.075

# Monochromacy



**Original Color**  
26, 15.695, 24.805

**Achromatopsia**  
27, 0.004, 296.813

**Achromatomaly**  
26, 5.594, 20.387

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 26, 15.695, 24.805 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(85, 53, 52)` looks like.

```
.text, #text, p{  
    color:rgb(85, 53, 52)  
}
```

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(85, 53, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 53, 52) }
```

## Border

The CSS property to change the border of an element to CIELCh 26, 15.695, 24.805 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(85, 53, 52) }
```

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

```
.border{ border-color:rgb(85, 53, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 53, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 53, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 53, 52);  
box-shadow:4px 4px 4px 4px rgb(85, 53, 52)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 26, 15.695, 24.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 53, 52) }
```

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

```
.background{ background-color: rgb(85, 53,  
52) }
```

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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