

Converting Colors

CIELCh(25, 22.380, 159.990)

Have a look what the booklet for
CIELCh(25, 22.380, 159.990)
contains.

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Color

CIELCh(25, 22.380, 159.990)

Conversions

Conversions Part 1

Format	Color
Hex	16432F
RGB	22, 67, 47
RGB Percent	9%, 26%, 18%
CMY	0.9129, 0.7365, 0.8150
CMYK	0.67, 0.00, 0.30, 0.74
HSL	153°, 50%, 18%
HSV	153°, 67%, 26%
XYZ	2.8698, 4.4155, 3.4084
YIQ	51.2650, -20.4000, -15.7600

Conversions

Conversions Part 2

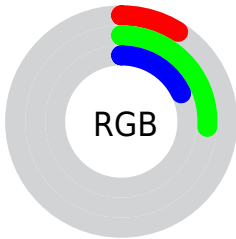
Format	Color
R_YB	22, 51, 67
Decimal	1458991
CIE Lab	25.00, -21.03, 7.66
CIE LCh	25, 22.380, 159.990
Yxy	4.4155, 0.2684, 0.4129
Android (android.graphics.Color)	4279649071 (0xFF16432F)
YUV	51.2650, -2.1026, -25.6654
Hunter-Lab	21.0130, -12.3945, 5.0922

Details

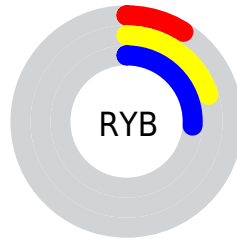
The CIELCh color **25, 22.380, 159.990** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 24.255, 354.199**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 22.778, 159.976**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 25.045, 158.520**, and if you desaturate by 10%, it is **25, 19.458, 161.309**.

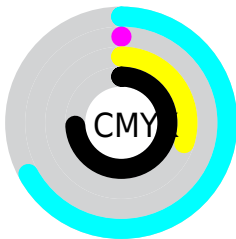
Distribution



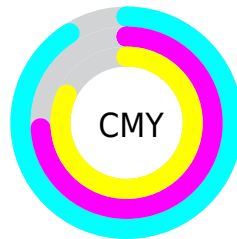
- Red (9%)
- Green (26%)
- Blue (18%)



- Red (9%)
- Yellow (20%)
- Blue (26%)



- Cyan (67%)
- Magenta (0%)
- Yellow (30%)
- Black (74%)





- Cyan (91%)
- Magenta (74%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 22.380, 159.990 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, 22.380, 159.990 by changing the saturation by 10% instead.

 25, 22.380,
159.990


 25, 22.380,
159.990

 100, 22.380,
159.990


 15, 22.380,
159.990


 45, 22.380,
159.990


 5, 22.380, 159.990

 55, 22.380,
159.990

 0, 22.380, 159.990

 65, 22.380,
159.990

 75, 22.380,
159.990

 85, 22.380,
159.990

 95, 22.380,

159.990

■ 25, 22.380,
159.990

■ 25, 22.380,
159.990

■ 25, 25.045,
158.520

■ 25, 19.458,
161.309

■ 24, 27.428,
156.897

■ 26, 16.316,
162.495

■ 24, 29.743,
155.423

■ 26, 13.003,
163.565

■ 24, 30.456,
155.029

■ 27, 9.563, 164.537

■ 27, 6.043, 165.429

■ 28, 2.481, 166.284

■ 29, 1.088, 346.771

■ 29, 4.638, 347.602

■ 30, 8.146, 348.268

Harmonies

Complementary

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



25, 22.380, 159.990



15, 24.255, 354.199

Rectangle

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



25, 22.380, 159.990



25, 22.380, 209.990



25, 22.380, 339.990



25, 22.380, 29.990

Sweetspot

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



25, 22.380, 159.989



35, 8.799, 165.093



26, 30.267, 128.175



17, 5.905, 164.995



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



25, 22.380, 159.989



32, 31.568, 157.515



25, 14.930, 202.806



12, 1.962, 166.150



36, 40.099, 153.657



79, 76.693, 151.773

Inverse Universe

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



15, 24.255, 354.199



19, 33.995, 357.618



15, 23.663, 30.068



12, 1.988, 347.319



19, 41.606, 4.077



48, 76.674, 7.986

Previews

White Background



This preview shows how the CIELCh color 25, 22.380, 159.990 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 25, 22.380, 159.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

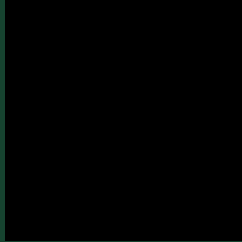
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 22.380, 159.990

Background



This preview shows how black text looks on a background with the CIELCh color 25, 22.380, 159.990.



This preview shows how white text looks on a background with the CIELCh color 25, 22.380, 159.990.

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, 22.380, 159.990

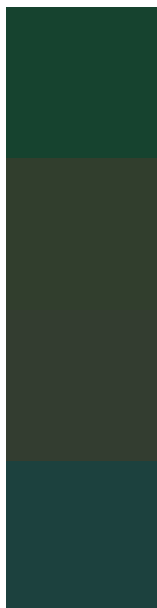
Protanopia
25, 10.127, 93.911

Deuteranopia
25, 7.559, 63.757



Tritanopia
25, 12.526, 216.167

Trichromacy



Original Color
25, 22.380, 159.990

Protanomaly
25, 12.729, 136.581

Deuteranomaly
24, 9.766, 137.011

Tritanomaly
25, 14.263, 189.007

Monochromacy



Original Color
25, 22.380, 159.990

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 8.629, 164.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 22.380, 159.990 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(22, 67, 47)` looks like.

```
.text, #text, p{  
    color:rgb(22, 67, 47)  
}
```

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(22, 67, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 67, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 22.380, 159.990 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(22, 67, 47) }
```

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

```
.border{ border-color:rgb(22, 67, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 67, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 67, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 67, 47);  
box-shadow:4px 4px 4px 4px rgb(22, 67, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 22.380, 159.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 67, 47) }
```

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

```
.background{ background-color: rgb(22, 67,  
47) }
```

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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