

Converting Colors

CIELCh(25, 22.854, 189.345)

Have a look what the booklet for
CIELCh(25, 22.854, 189.345)
contains.

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Color

CIELCh(25, 20.250, 188.658)

Conversions

Conversions Part 1

Format	Color
Hex	00433F
RGB	0, 67, 63
RGB Percent	0%, 26%, 25%
CMY	1.0000, 0.7358, 0.7514
CMYK	1.00, 0.00, 0.06, 0.74
HSL	176°, 100%, 13%
HSV	176°, 100%, 26%
XYZ	2.9260, 4.4155, 5.4569
YIQ	46.5110, -38.6480, -15.4480

Conversions

Conversions Part 2

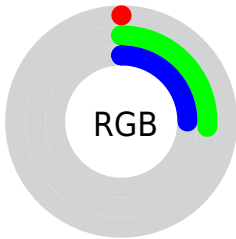
Format	Color
RYB	0, 35, 67
Decimal	17215
CIELab	25.00, -20.02, -3.05
CIELCh	25, 20.250, 188.658
Yxy	4.4155, 0.2286, 0.3450
Android (android.graphics.Color)	4278207295 (0xFF00433F)
YUV	46.5110, 8.1291, -40.7901
Hunter-Lab	21.0130, -11.9171, -0.6879

Details

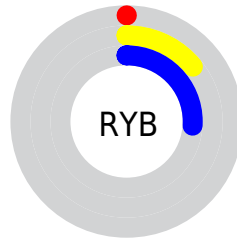
The CIELCh color **25, 20.250, 188.658** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 34.480, 26.124**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 19.814, 190.209**, and **7, 10.204, 177.794** is the 20% darker color. If you saturate the color by 10%, you get **25, 20.128, 188.630**, and if you desaturate by 10%, it is **25, 19.099, 189.187**.

Distribution



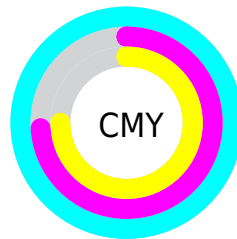
- Red (0%)
- Green (26%)
- Blue (25%)



- Red (0%)
- Yellow (14%)
- Blue (26%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (74%)





- Cyan (100%)
- Magenta (74%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 20.250, 188.658 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, 20.250, 188.658 by changing the saturation by 10% instead.

 25, 20.250,
188.658


 25, 20.250,
188.658

 100, 20.250,
188.658


 15, 20.250,
188.658


 45, 20.250,
188.658


 5, 20.250, 188.658

 55, 20.250,
188.658

 0, 20.250, 188.658

 65, 20.250,
188.658

 75, 20.250,
188.658

 85, 20.250,
188.658

 95, 20.250,

188.658

■ 25, 20.250,
188.658

■ 25, 20.250,
188.658

■ 25, 20.128,
188.630

■ 25, 19.099,
189.187

■ 25, 18.054,
189.785

■ 26, 16.725,
190.376

■ 26, 15.074,
190.958

■ 26, 13.122,
191.539

■ 26, 10.897,
192.125

■ 27, 8.434, 192.719

■ 27, 5.771, 193.328

■ 28, 2.947, 193.972

Harmonies

Complementary

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



25, 20.250, 188.658



11, 34.480, 26.124

Rectangle

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



25, 20.250, 188.658



25, 20.250, 238.658



25, 20.250, 8.658



25, 20.250, 58.658

Sweetspot

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



25, 20.128, 188.630



35, 10.365, 192.647



24, 45.151, 135.595



16, 6.925, 192.548



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, 20.128, 188.630



33, 23.919, 188.335



14, 22.009, 270.351



12, 1.622, 194.079



37, 25.858, 188.221



81, 47.895, 187.621

Inverse Universe

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



11, 34.480, 26.124



16, 42.853, 31.173



16, 28.898, 55.656



12, 1.692, 14.966



18, 47.150, 32.902



47, 92.587, 38.120

Previews

White Background



This preview shows how the CIELCh color 25, 20.250, 188.658 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, 20.250, 188.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

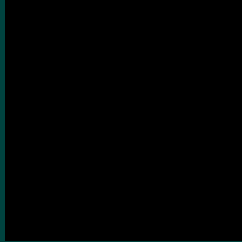
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 20.250, 188.658

Background



This preview shows how black text looks on a background with the CIELCh color 25, 20.250, 188.658.



This preview shows how white text looks on a background with the CIELCh color 25, 20.250, 188.658.

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, 20.065, 188.567

Protanopia

25, 0.911, 19.315

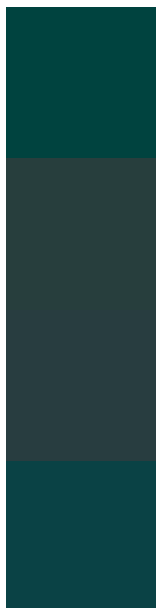
Deuteranopia

25, 5.143, 316.564



Tritanopia
25, 16.387, 211.093

Trichromacy



Original Color
25, 20.065, 188.567

Protanomaly
24, 9.487, 193.766

Deuteranomaly
24, 8.641, 211.432

Tritanomaly
25, 17.245, 203.392

Monochromacy



Original Color
25, 20.065, 188.567

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 9.902, 193.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 20.250, 188.658 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(0, 67, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 63)  
}
```

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(0, 67, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 20.250, 188.658 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(0, 67, 63) }
```

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

```
.border{ border-color:rgb(0, 67, 63) }
```

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

Here you see how a box with a 4 pixel rgb(0, 67, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 63); box-shadow:4px  
4px 4px 4px rgb(0, 67, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 20.250, 188.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 63) }
```

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

```
.background{ background-color: rgb(0, 67,  
63) }
```

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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