

Converting Colors

CIELCh(25, 15.968, 197.016)

Have a look what the booklet for
CIELCh(25, 15.968, 197.016)
contains.

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Color

CIELCh(25, 15.927, 196.854)

Conversions

Conversions Part 1

Format	Color
Hex	144242
RGB	20, 66, 66
RGB Percent	8%, 26%, 26%
CMY	0.9223, 0.7418, 0.7418
CMYK	0.70, 0.00, 0.00, 0.74
HSL	180°, 54%, 17%
HSV	180°, 70%, 26%
XYZ	3.2018, 4.4155, 5.8128
YIQ	52.2460, -27.4160, -9.7520

Conversions

Conversions Part 2

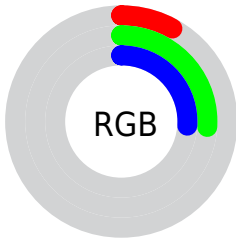
Format	Color
R_{YB}	20, 43, 66
Decimal	1327682
CIE _{Lab}	25.00, -15.24, -4.62
CIE _{LCh}	25, 15.927, 196.854
Yxy	4.4155, 0.2384, 0.3288
Android (android.graphics.Color)	4279517762 (0xFF144242)
YUV	52.2460, 6.7807, -28.2797
Hunter-Lab	21.0130, -9.5744, -1.6921

Details

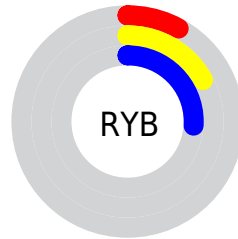
The CIELCh color **25, 15.927, 196.854** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 25.230, 27.742**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 15.863, 197.647**, and **6, 8.387, 194.279** is the 20% darker color. If you saturate the color by 10%, you get **25, 17.128, 196.668**, and if you desaturate by 10%, it is **25, 14.407, 197.089**.

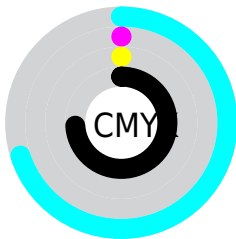
Distribution



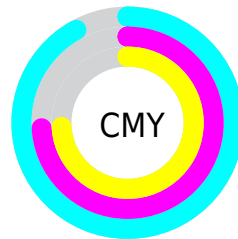
- Red (8%)
- Green (26%)
- Blue (26%)



- Red (8%)
- Yellow (17%)
- Blue (26%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (74%)





- Cyan (92%)
- Magenta (74%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 15.927, 196.854 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, 15.927, 196.854 by changing the saturation by 10% instead.

 25, 15.927,
196.854


 25, 15.927,
196.854

 100, 15.927,
196.854


 15, 15.927,
196.854


 45, 15.927,
196.854


 5, 15.927, 196.854

 55, 15.927,
196.854

 0, 15.927, 196.854

 65, 15.927,
196.854

 75, 15.927,
196.854

 85, 15.927,
196.854

 95, 15.927,

196.854

■ 25, 15.927,
196.854

■ 25, 15.927,
196.854

■ 25, 17.128,
196.668

■ 25, 14.407,
197.089

■ 25, 18.053,
196.527

■ 26, 12.584,
197.376

■ 25, 18.960,
196.390

■ 26, 10.483,
197.712

■ 25, 18.967,
196.389

■ 26, 8.136, 198.095

■ 27, 5.578, 198.525

■ 27, 2.846, 199.019

■ 28, 0.026, 9.530

■ 29, 3.002, 19.832

■ 29, 6.056, 20.397

Harmonies

Complementary

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



25, 15.927, 196.854



14, 25.230, 27.742

Rectangle

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



25, 15.927, 196.854



25, 15.927, 246.854



25, 15.927, 16.854



25, 15.927, 66.854

Sweetspot

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



25, 15.927, 196.852



35, 7.353, 198.435



24, 34.987, 139.058



17, 4.885, 198.391



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, 15.927, 196.852



33, 21.481, 196.559



17, 17.237, 268.474



12, 1.610, 199.099



37, 24.669, 196.389



81, 45.499, 196.389

Inverse Universe

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



16, 34.580, 327.497



20, 48.375, 327.952



20, 20.594, 67.655



12, 2.930, 324.826



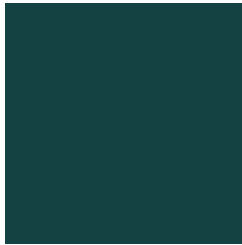
22, 56.888, 328.233



53, 104.924, 328.233

Previews

White Background



This preview shows how the CIE LCh color 25, 15.927, 196.854 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 25, 15.927, 196.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

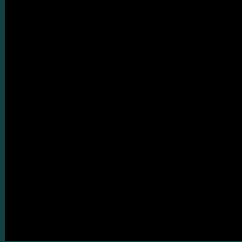
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

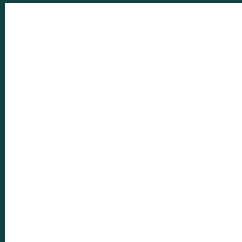
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 15.927, 196.854

Background



This preview shows how black text looks on a background with the CIELCh color 25, 15.927, 196.854.



This preview shows how white text looks on a background with the CIELCh color 25, 15.927, 196.854.

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, 15.927, 196.854

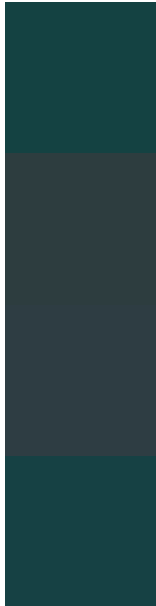
Protanopia
25, 2.035, 303.263

Deuteranopia
25, 6.747, 302.589



Tritanopia
25, 14.668, 210.315

Trichromacy



Original Color
25, 15.927, 196.854

Protanomaly
24, 6.772, 209.649

Deuteranomaly
25, 7.175, 232.261

Tritanomaly
25, 14.939, 204.759

Monochromacy



Original Color
25, 15.927, 196.854

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 7.209, 198.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 15.927, 196.854 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(20, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(20, 66, 66)  
}
```

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(20, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 66, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 15.927, 196.854 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(20, 66, 66) }
```

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

```
.border{ border-color:rgb(20, 66, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 66, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(20, 66, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 15.927, 196.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 66, 66) }
```

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

```
.background{ background-color: rgb(20, 66,  
66) }
```

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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