

Converting Colors

CIELCh(25, 17.525, 196.599)

Have a look what the booklet for
CIELCh(25, 17.525, 196.599)
contains.

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Color

CIELCh(25, 17.496, 196.614)

Conversions

Conversions Part 1

Format	Color
Hex	0C4242
RGB	12, 66, 66
RGB Percent	5%, 26%, 26%
CMY	0.9545, 0.7396, 0.7397
CMYK	0.83, 0.00, 0.00, 0.74
HSL	180°, 70%, 15%
HSV	180°, 83%, 26%
XYZ	3.1121, 4.4155, 5.9023
YIQ	49.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

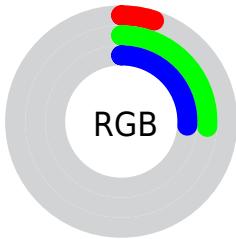
Format	Color
R_{YB}	12, 39, 66
Decimal	803394
CIE _{Lab}	25.00, -16.77, -5.00
CIE _{LCh}	25, 17.496, 196.614
Yxy	4.4155, 0.2317, 0.3288
Android (android.graphics.Color)	4278993474 (0xFF0C4242)
YUV	49.8540, 7.9600, -33.1980
Hunter-Lab	21.0130, -10.3365, -1.9448

Details

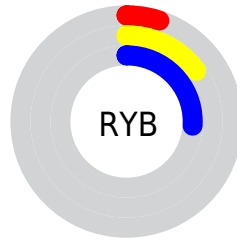
The CIELCh color **25, 17.496, 196.614** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 29.669, 28.697**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 17.331, 197.486**, and **7, 9.031, 189.656** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.394, 196.476**, and if you desaturate by 10%, it is **25, 16.374, 196.785**.

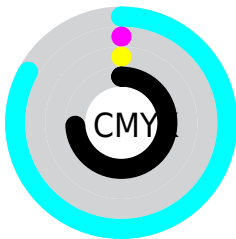
Distribution



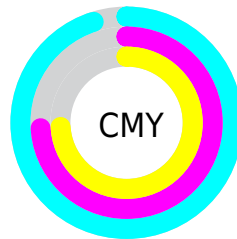
- Red (5%)
- Green (26%)
- Blue (26%)



- Red (5%)
- Yellow (15%)
- Blue (26%)



- Cyan (83%)
- Magenta (0%)
- Yellow (0%)
- Black (74%)





- Cyan (95%)
- Magenta (74%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 17.496, 196.614 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, 17.496, 196.614 by changing the saturation by 10% instead.

 25, 17.496,
196.614


 25, 17.496,
196.614

 100, 17.496,
196.614


 15, 17.496,
196.614


 45, 17.496,
196.614


 5, 17.496, 196.614

 55, 17.496,
196.614

 0, 17.496, 196.614

 65, 17.496,
196.614

 75, 17.496,
196.614

 85, 17.496,
196.614

 95, 17.496,

196.614

■ 25, 17.496,
196.614

■ 25, 17.496,
196.614

■ 25, 18.394,
196.476

■ 25, 16.374,
196.785

■ 25, 19.074,
196.373

■ 25, 14.929,
197.008

■ 26, 13.173,
197.282

■ 26, 11.128,
197.607

■ 26, 8.827, 197.979

■ 27, 6.303, 198.397

■ 27, 3.594, 198.871

■ 28, 0.736, 199.617

■ 29, 2.237, 19.661

Harmonies

Complementary

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



25, 17.496, 196.614



12, 29.669, 28.697

Rectangle

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



25, 17.496, 196.614



25, 17.496, 246.614



25, 17.496, 16.614



25, 17.496, 66.614

Sweetspot

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



25, 17.496, 196.613



35, 8.649, 198.243



24, 39.719, 137.611



17, 5.783, 198.184



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, 17.496, 196.613



33, 22.755, 196.383



15, 19.771, 270.708



12, 1.610, 199.089



37, 24.671, 196.372



81, 45.504, 196.371

Inverse Universe

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



12, 29.669, 28.697



16, 43.461, 33.483



18, 24.382, 64.042



12, 1.688, 19.767



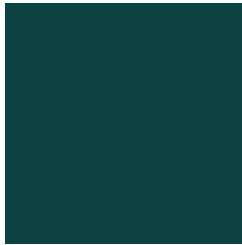
18, 48.292, 35.257



47, 94.942, 39.997

Previews

White Background



This preview shows how the CIELCh color 25, 17.496, 196.614 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, 17.496, 196.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

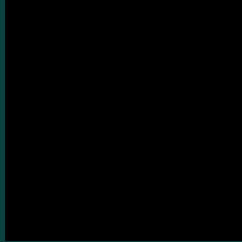
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 17.496, 196.614

Background



This preview shows how black text looks on a background with the CIELCh color 25, 17.496, 196.614.



This preview shows how white text looks on a background with the CIELCh color 25, 17.496, 196.614.

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

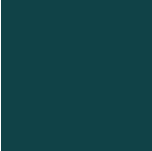
25, 17.352, 196.636

Protanopia

25, 2.035, 303.263

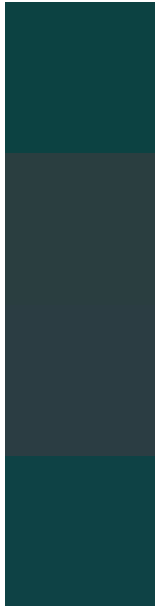
Deuteranopia

25, 6.747, 302.589



Tritanopia
25, 16.241, 208.790

Trichromacy



Original Color
25, 17.352, 196.636

Protanomaly
25, 8.235, 207.374

Deuteranomaly
25, 8.118, 227.800

Tritanomaly
25, 16.674, 203.704

Monochromacy



Original Color
25, 17.352, 196.636

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 8.349, 197.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 17.496, 196.614 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(12, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 66, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 17.496, 196.614 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(12, 66, 66) }
```

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

```
.border{ border-color:rgb(12, 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(12, 66, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(12, 66, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 17.496, 196.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 66, 66) }
```

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

```
.background{ background-color: rgb(12, 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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