

Converting Colors

CIELCh(36, 36.421, 193.717)

Have a look what the booklet for
CIELCh(36, 36.421, 193.717)
contains.

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Color

CIELCh(37, 25.217, 194.936)

Conversions

Conversions Part 1	
Format	Color
Hex	006261
RGB	0, 98, 97
RGB Percent	0%, 38%, 38%
CMY	1.0000, 0.6165, 0.6204
CMYK	1.00, 0.00, 0.01, 0.62
HSL	179°, 100%, 19%
HSV	179°, 100%, 38%
XYZ	6.4632, 9.5379, 12.7625
YIQ	68.5840, -58.0870, -21.0870

Conversions

Conversions Part 2

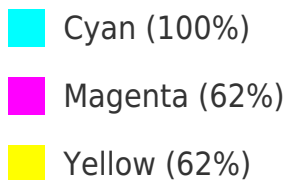
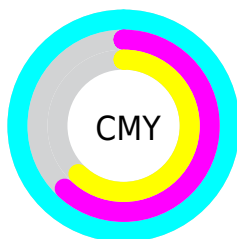
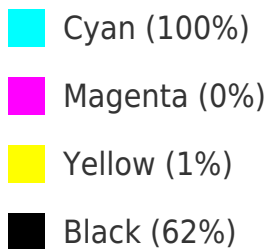
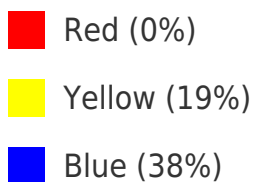
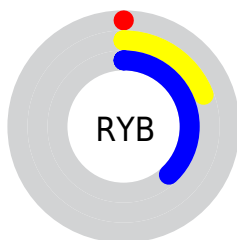
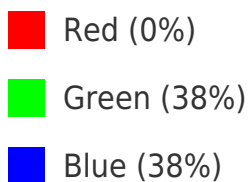
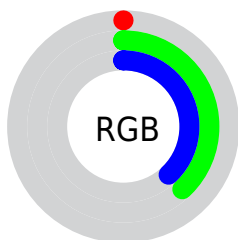
Format	Color
RYB	0, 49, 98
Decimal	25185
CIELab	37.00, -24.37, -6.50
CIELCh	37, 25.217, 194.936
Yxy	9.5379, 0.2247, 0.3316
Android (android.graphics.Color)	4278215265 (0xFF006261)
YUV	68.5840, 14.0091, -60.1482
Hunter-Lab	30.8835, -16.6900, -2.8829

Details

The CIELCh color **37, 25.217, 194.936** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 48.479, 34.997**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 24.820, 195.808**, and **18, 16.092, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.999, 194.948**, and if you desaturate by 10%, it is **37, 24.186, 195.142**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 25.217, 194.936 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 37, 25.217, 194.936 by changing the saturation by 10% instead.


 37, 25.217,
194.936


 37, 25.217,
194.936

 100, 25.217,
194.936


 27, 25.217,
194.936

 57, 25.217,
194.936


 17, 25.217,
194.936


 67, 25.217,
194.936

 7, 25.217, 194.936

 77, 25.217,
194.936

 0, 25.217, 194.936

 87, 25.217,
194.936

 97, 25.217,
194.936

■ 37, 25.217,
194.936

■ 37, 25.217,
194.936

■ 37, 24.999,
194.948

■ 37, 24.186,
195.142

■ 37, 23.168,
195.357

■ 38, 21.685,
195.612

■ 38, 19.729,
195.912

■ 38, 17.317,
196.259

■ 39, 14.485,
196.652

■ 39, 11.282,
197.090

■ 40, 7.761, 197.574

Harmonies

Complementary

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



37, 25.217, 194.936



18, 48.479, 34.997

Rectangle

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



37, 25.217, 194.936



37, 25.217, 244.936



37, 25.217, 14.936



37, 25.217, 64.936

Sweetspot

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



37, 24.999, 194.948



51, 13.988, 197.049



35, 59.220, 135.871



25, 9.364, 196.921



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 24.999, 194.948



48, 30.192, 194.905



21, 32.643, 279.261



20, 2.222, 198.188



42, 27.548, 194.925



86, 48.180, 194.834

Inverse Universe

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



18, 48.479, 34.997



25, 60.802, 37.954



26, 41.147, 61.104



18, 2.338, 19.022



22, 54.582, 36.717



50, 99.376, 39.700

Previews

White Background



This preview shows how the CIELCh color 37, 25.217, 194.936 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 37, 25.217, 194.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

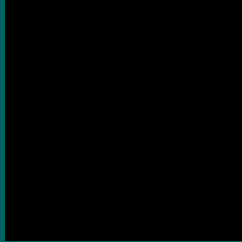
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 25.217, 194.936

Background



This preview shows how black text looks on a background with the CIELCh color 37, 25.217, 194.936.



This preview shows how white text looks on a background with the CIELCh color 37, 25.217, 194.936.

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

37, 25.040, 194.923

Protanopia

37, 1.909, 303.196

Deuteranopia


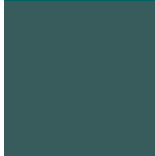


37, 9.534, 303.855





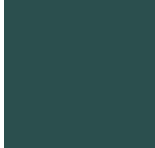
Tritanopia

37, 22.266, 208.143

Trichromacy

	Original Color 37, 25.040, 194.923
	Protanomaly 36, 13.116, 200.452
	Deuteranomaly 36, 12.990, 223.703
	Tritanomaly 37, 23.181, 202.828

Monochromacy

	Original Color 37, 25.040, 194.923
	Achromatopsia 29, 0.005, 296.813
	Achromatomaly 31, 13.663, 194.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 25.217, 194.936 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, 98, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 97)  
}
```

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, 98, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 25.217, 194.936 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, 98, 97) }
```

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

```
.border{ border-color:rgb(0, 98, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 98, 97); box-shadow:4px  
4px 4px 4px rgb(0, 98, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 25.217, 194.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 97) }
```

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

```
.background{ background-color: rgb(0, 98,  
97) }
```

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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