

Converting Colors

CIELCh(36, 23.323, 194.638)

Have a look what the booklet for
CIELCh(36, 23.323, 194.638)
contains.

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Color

CIELCh(36, 23.570, 193.398)

Conversions

Conversions Part 1

Format	Color
Hex	0D5F5D
RGB	13, 95, 93
RGB Percent	5%, 37%, 36%
CMY	0.9509, 0.6284, 0.6362
CMYK	0.87, 0.00, 0.02, 0.63
HSL	179°, 77%, 21%
HSV	179°, 87%, 37%
XYZ	6.1940, 9.0082, 11.7122
YIQ	70.2540, -48.2300, -18.0060

Conversions

Conversions Part 2

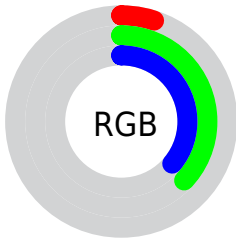
Format	Color
RYB	13, 55, 95
Decimal	876381
CIELab	36.00, -22.93, -5.46
CIElCh	36, 23.570, 193.398
Yxy	9.0082, 0.2301, 0.3347
Android (android.graphics.Color)	4279066461 (0xFF0D5F5D)
YUV	70.2540, 11.2138, -50.2118
Hunter-Lab	30.0136, -15.6860, -2.1273

Details

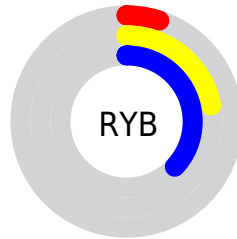
The CIELCh color **36, 23.570, 193.398** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 42.287, 32.291**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 23.620, 192.992**, and **17, 15.698, 193.758** is the 20% darker color. If you saturate the color by 10%, you get **36, 24.437, 193.058**, and if you desaturate by 10%, it is **36, 22.385, 193.752**.

Distribution



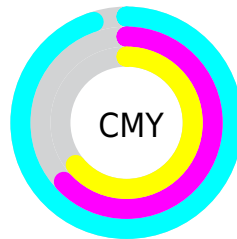
- Red (5%)
- Green (37%)
- Blue (36%)



- Red (5%)
- Yellow (22%)
- Blue (37%)



- Cyan (87%)
- Magenta (0%)
- Yellow (2%)
- Black (63%)





- Cyan (95%)
- Magenta (63%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.570, 193.398 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 36, 23.570, 193.398 by changing the saturation by 10% instead.


 36, 23.570,
193.398


 36, 23.570,
193.398

 100, 23.570,
193.398


 26, 23.570,
193.398

 56, 23.570,
193.398


 16, 23.570,
193.398


 66, 23.570,
193.398

 6, 23.570, 193.398

 76, 23.570,
193.398

 0, 23.570, 193.398

 86, 23.570,
193.398

 96, 23.570,
193.398

■ 36, 23.570,
193.398

■ 36, 23.570,
193.398

■ 36, 24.437,
193.058

■ 36, 22.385,
193.752

■ 36, 24.714,
192.953

■ 36, 20.743,
194.130

■ 37, 18.647,
194.537

■ 37, 16.122,
194.975

■ 38, 13.208,
195.447

■ 38, 9.956, 195.953

■ 39, 6.421, 196.497

■ 40, 2.658, 197.118

Harmonies

Complementary

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



36, 23.570, 193.398



19, 42.287, 32.291

Rectangle

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



36, 23.570, 193.398



36, 23.570, 243.398



36, 23.570, 13.398



36, 23.570, 63.398

Sweetspot

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



36, 23.570, 193.397



49, 11.928, 195.954



35, 53.746, 136.728



24, 7.954, 195.841



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 23.570, 193.397



46, 29.639, 192.852



23, 26.962, 272.105



20, 2.225, 196.972



42, 27.848, 192.884



86, 48.740, 192.669

Inverse Universe

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



19, 42.287, 32.291



24, 58.363, 37.033



26, 35.307, 61.840



18, 2.339, 17.865



22, 54.232, 36.155



50, 98.813, 39.282

Previews

White Background



This preview shows how the CIELCh color 36, 23.570, 193.398 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 36, 23.570, 193.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

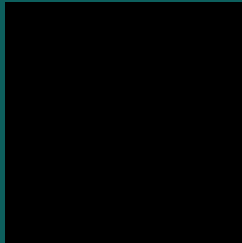
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.570, 193.398

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.570, 193.398.



This preview shows how white text looks on a background with the CIELCh color 36, 23.570, 193.398.

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


36, 23.570, 193.398

Protanopia

36, 1.323, 309.112

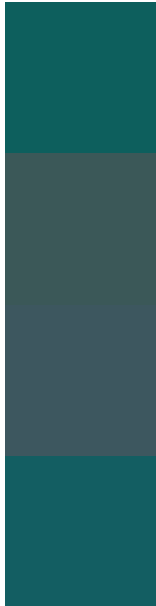
Deuteranopia

36, 9.089, 307.203



Tritanopia
36, 21.070, 210.739

Trichromacy



Original Color
36, 23.570, 193.398

Protanomaly
35, 11.234, 197.913

Deuteranomaly
35, 10.804, 225.947

Tritanomaly
36, 21.855, 203.337

Monochromacy



Original Color
36, 23.570, 193.398

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 11.749, 194.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.570, 193.398 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(13, 95, 93)` looks like.

```
.text, #text, p{  
    color:rgb(13, 95, 93)  
}
```

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(13, 95, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 95, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.570, 193.398 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(13, 95, 93) }
```

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

```
.border{ border-color:rgb(13, 95, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 95, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 95, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 95, 93);  
box-shadow:4px 4px 4px 4px rgb(13, 95, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.570, 193.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 95, 93) }
```

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

```
.background{ background-color: rgb(13, 95,  
93) }
```

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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