

Converting Colors

CIELCh(37, 24.453, 196.427)

Have a look what the booklet for
CIELCh(37, 24.453, 196.427)
contains.

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Color

CIELCh(37, 24.359, 196.424)

Conversions

Conversions Part 1

Format	Color
Hex	056161
RGB	5, 97, 97
RGB Percent	2%, 38%, 38%
CMY	0.9802, 0.6178, 0.6178
CMYK	0.95, 0.00, 0.00, 0.62
HSL	180°, 90%, 20%
HSV	180°, 95%, 38%
XYZ	6.5587, 9.5379, 12.9148
YIQ	69.4920, -54.8320, -19.5040

Conversions

Conversions Part 2

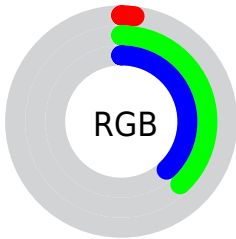
Format	Color
R_{YB}	5, 51, 97
Decimal	352609
CIE _{Lab}	37.00, -23.37, -6.89
CIE _{LCh}	37, 24.359, 196.424
Yxy	9.5379, 0.2261, 0.3288
Android (android.graphics.Color)	4278542689 (0xFF056161)
YUV	69.4920, 13.5614, -56.5595
Hunter-Lab	30.8835, -16.1382, -3.1753

Details

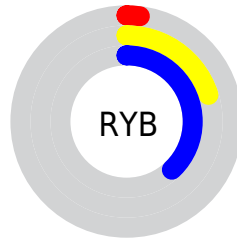
The CIELCh color **37, 24.359, 196.424** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 46.691, 34.790**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 24.225, 197.189**, and **18, 15.719, 198.993** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.770, 196.375**, and if you desaturate by 10%, it is **37, 23.520, 196.521**.

Distribution



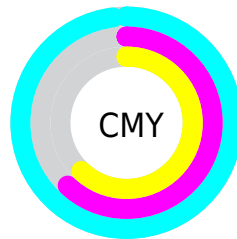
- Red (2%)
- Green (38%)
- Blue (38%)



- Red (2%)
- Yellow (20%)
- Blue (38%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (62%)



- Cyan (98%)
- Magenta (62%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 24.359, 196.424 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, 24.359, 196.424 by changing the saturation by 10% instead.

 37, 24.359,
196.424

 37, 24.359,
196.424

 100, 24.359,
196.424

 27, 24.359,
196.424

 57, 24.359,
196.424

 17, 24.359,
196.424

 67, 24.359,
196.424

 7, 24.359, 196.424

 77, 24.359,
196.424

 0, 24.359, 196.424

 87, 24.359,
196.424

 97, 24.359,
196.424

■ 37, 24.359,
196.424

■ 37, 24.359,
196.424

■ 37, 24.770,
196.375

■ 37, 23.520,
196.521

■ 37, 22.289,
196.666

■ 38, 20.587,
196.867

■ 38, 18.419,
197.126

■ 38, 15.811,
197.442

■ 39, 12.805,
197.812

■ 39, 9.453, 198.235

■ 40, 5.811, 198.714

Harmonies

Complementary

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



37, 24.359, 196.424



19, 46.691, 34.790

Rectangle

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



37, 24.359, 196.424



37, 24.359, 246.424



37, 24.359, 16.424



37, 24.359, 66.424

Sweetspot

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



37, 24.359, 196.423



51, 13.123, 198.059



35, 57.473, 136.295



25, 8.886, 197.932



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, 24.359, 196.423



48, 29.980, 196.375



22, 30.883, 277.368



20, 2.221, 199.039



42, 27.357, 196.375



86, 47.825, 196.374

Inverse Universe

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



19, 46.691, 34.790



25, 61.099, 38.344



26, 39.089, 61.885



18, 2.339, 19.831



22, 54.830, 37.105



50, 99.787, 39.998

Previews

White Background



This preview shows how the CIELCh color 37, 24.359, 196.424 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, 24.359, 196.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

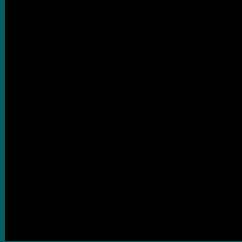
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 24.359, 196.424

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.359, 196.424.



This preview shows how white text looks on a background with the CIELCh color 37, 24.359, 196.424.

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, 24.277, 196.434

Protanopia

37, 3.131, 298.341

Deuteranopia

37, 9.454, 301.454



Tritanopia
37, 22.153, 209.905

Trichromacy



Original Color
37, 24.277, 196.434

Protanomaly
36, 12.428, 206.535

Deuteranomaly
36, 12.712, 224.335

Tritanomaly
37, 23.003, 204.488

Monochromacy



Original Color
37, 24.277, 196.434

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 12.927, 197.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 24.359, 196.424 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(5, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(5, 97, 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(5, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 97, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.359, 196.424 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(5, 97, 97) }
```

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

```
.border{ border-color:rgb(5, 97, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 97, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 97, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 97, 97); box-shadow:4px  
4px 4px 4px rgb(5, 97, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.359, 196.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 97, 97) }
```

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

```
.background{ background-color: rgb(5, 97,  
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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