

Converting Colors

CIELCh(36, 25.459, 187.785)

Have a look what the booklet for
CIELCh(36, 25.459, 187.785)
contains.

CIELCh(36, 25.419, 187.678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 25.419, 187.678)

Conversions

Conversions Part 1

Format	Color
Hex	035F59
RGB	3, 95, 89
RGB Percent	1%, 37%, 35%
CMY	0.9886, 0.6258, 0.6494
CMYK	0.97, 0.00, 0.06, 0.63
HSL	176°, 94%, 19%
HSV	176°, 97%, 37%
XYZ	5.9874, 9.0082, 10.9657
YIQ	66.8080, -52.9060, -21.3700

Conversions

Conversions Part 2

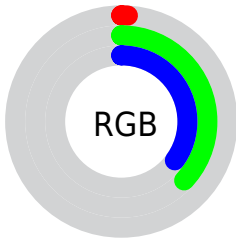
Format	Color
R _Y B	3, 51, 95
Decimal	221017
CIE Lab	36.00, -25.19, -3.40
CIE LCh	36, 25.419, 187.678
Yxy	9.0082, 0.2306, 0.3470
Android (android.graphics.Color)	4278411097 (0xFF035F59)
YUV	66.8080, 10.9407, -55.9596
Hunter-Lab	30.0136, -16.9148, -0.6526

Details

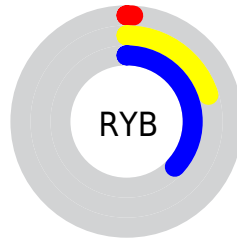
The CIELCh color **36, 25.419, 187.678** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 45.407, 32.169**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 25.274, 187.824**, and **17, 16.468, 186.315** is the 20% darker color. If you saturate the color by 10%, you get **36, 25.719, 187.473**, and if you desaturate by 10%, it is **36, 24.433, 188.377**.

Distribution



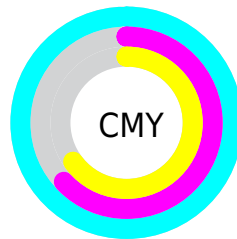
- Red (1%)
- Green (37%)
- Blue (35%)



- Red (1%)
- Yellow (20%)
- Blue (37%)



- Cyan (97%)
- Magenta (0%)
- Yellow (6%)
- Black (63%)





- Cyan (99%)
- Magenta (63%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 25.419, 187.678 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, 25.419, 187.678 by changing the saturation by 10% instead.


 36, 25.419,
187.678


 36, 25.419,
187.678

 100, 25.419,
187.678


 26, 25.419,
187.678

 56, 25.419,
187.678


 16, 25.419,
187.678


 66, 25.419,
187.678

 6, 25.419, 187.678

 76, 25.419,
187.678

 0, 25.419, 187.678

 86, 25.419,
187.678

 96, 25.419,
187.678

■ 36, 25.419,
187.678

■ 36, 25.419,
187.678

■ 36, 25.719,
187.473

■ 36, 24.433,
188.377

■ 36, 23.132,
189.065

■ 37, 21.374,
189.726

■ 37, 19.165,
190.371

■ 37, 16.533,
191.010

■ 38, 13.522,
191.651

■ 38, 10.184,
192.297

■ 39, 6.576, 192.958

Harmonies

Complementary

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



36, 25.419, 187.678



18, 45.407, 32.169

Rectangle

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



36, 25.419, 187.678



36, 25.419, 237.678



36, 25.419, 7.678



36, 25.419, 57.678

Sweetspot

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



36, 25.419, 187.677



50, 13.553, 192.106



35, 56.913, 135.690



25, 9.285, 191.912



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 25.419, 187.677



47, 31.192, 187.210



22, 28.258, 272.125



20, 2.240, 193.524



42, 28.861, 187.308



86, 50.651, 186.771

Inverse Universe

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



18, 45.407, 32.169



25, 58.244, 35.563



24, 39.648, 57.326



18, 2.345, 14.566



22, 53.259, 34.509



50, 97.207, 38.037

Previews

White Background



This preview shows how the CIELCh color 36, 25.419, 187.678 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, 25.419, 187.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

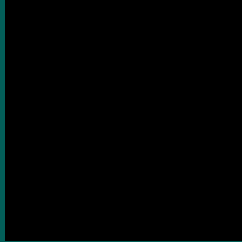
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 25.419, 187.678

Background



This preview shows how black text looks on a background with the CIELCh color 36, 25.419, 187.678.



This preview shows how white text looks on a background with the CIELCh color 36, 25.419, 187.678.

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, 25.331, 187.659

Protanopia

36, 1.428, 45.031

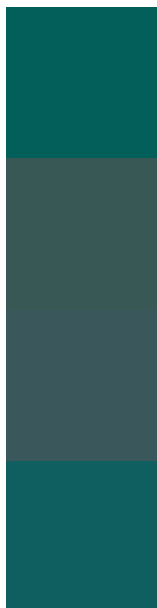
Deuteranopia

36, 6.906, 316.139



Tritanopia
36, 21.292, 208.794

Trichromacy



Original Color
36, 25.331, 187.659

Protanomaly
35, 12.631, 189.115

Deuteranomaly
35, 11.195, 210.990

Tritanomaly
36, 22.730, 199.773

Monochromacy



Original Color
36, 25.331, 187.659

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.883, 191.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 25.419, 187.678 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(3, 95, 89)` looks like.

```
.text, #text, p{  
    color:rgb(3, 95, 89)  
}
```

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(3, 95, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 95, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 25.419, 187.678 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(3, 95, 89) }
```

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

```
.border{ border-color:rgb(3, 95, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 95, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 95, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 95, 89); box-shadow:4px  
4px 4px 4px rgb(3, 95, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 25.419, 187.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 95, 89) }
```

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

```
.background{ background-color: rgb(3, 95,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor