

Converting Colors

CIELCh(33, 55.555, 184.383)

Have a look what the booklet for
CIELCh(33, 55.555, 184.383)
contains.

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Color

CIELCh(36, 27.779, 178.907)

Conversions

Conversions Part 1

Format	Color
Hex	006053
RGB	0, 96, 83
RGB Percent	0%, 38%, 33%
CMY	0.9993, 0.6232, 0.6742
CMYK	1.00, 0.00, 0.14, 0.62
HSL	172°, 100%, 19%
HSV	172°, 100%, 38%
XYZ	5.7572, 9.0082, 9.6355
YIQ	65.8140, -53.0430, -24.3950

Conversions

Conversions Part 2

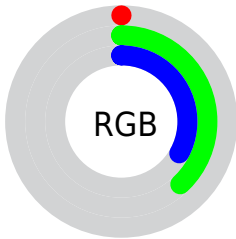
Format	Color
RYB	0, 51, 96
Decimal	24659
CIELab	36.00, -27.77, 0.53
CIELCh	36, 27.779, 178.907
Yxy	9.0082, 0.2359, 0.3692
Android (android.graphics.Color)	4278214739 (0xFF006053)
YUV	65.8140, 8.4727, -57.7189
Hunter-Lab	30.0136, -18.2838, 1.9752

Details

The CIELCh color **36, 27.779, 178.907** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 45.367, 29.419**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 27.854, 178.721**, and **17, 19.170, 172.101** is the 20% darker color. If you saturate the color by 10%, you get **36, 27.802, 178.886**, and if you desaturate by 10%, it is **36, 26.528, 180.070**.

Distribution



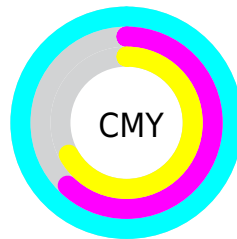
- Red (0%)
- Green (38%)
- Blue (33%)



- Red (0%)
- Yellow (20%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (62%)





- Cyan (100%)
- Magenta (62%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 27.779, 178.907 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, 27.779, 178.907 by changing the saturation by 10% instead.


 36, 27.779,
178.907


 36, 27.779,
178.907

 100, 27.779,
178.907


 26, 27.779,
178.907

 56, 27.779,
178.907


 16, 27.779,
178.907


 66, 27.779,
178.907

 6, 27.779, 178.907

 76, 27.779,
178.907

 0, 27.779, 178.907

 86, 27.779,
178.907

 96, 27.779,
178.907

■ 36, 27.779,
178.907

■ 36, 27.779,
178.907

■ 36, 27.802,
178.886

■ 36, 26.528,
180.070

■ 36, 25.089,
181.241

■ 37, 23.201,
182.314

■ 37, 20.869,
183.308

■ 37, 18.119,
184.238

■ 38, 14.997,
185.119

■ 38, 11.558,
185.964

■ 39, 7.861, 186.785

Harmonies

Complementary

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



36, 27.779, 178.907



18, 45.367, 29.419

Rectangle

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



36, 27.779, 178.907



36, 27.779, 228.907



36, 27.779, 358.907



36, 27.779, 48.907

Sweetspot

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



36, 27.779, 178.906



50, 14.392, 185.873



35, 57.473, 134.643



25, 9.818, 185.630



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, 27.779, 178.906



47, 33.648, 178.424



25, 25.108, 261.193



20, 2.284, 187.688



42, 31.099, 178.601



85, 54.900, 177.636

Inverse Universe

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



18, 45.367, 29.419



25, 56.112, 32.030



22, 42.175, 50.585



18, 2.374, 8.923



22, 51.529, 31.199



50, 93.389, 34.687

Previews

White Background



This preview shows how the CIELCh color 36, 27.779, 178.907 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, 27.779, 178.907 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, 27.779, 178.907

Background



This preview shows how black text looks on a background with the CIELCh color 36, 27.779, 178.907.



This preview shows how white text looks on a background with the CIELCh color 36, 27.779, 178.907.

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, 27.779, 178.907

Protanopia
36, 4.673, 87.149

Deuteranopia
36, 4.979, 350.281



Tritanopia
36, 20.719, 209.192

Trichromacy



Original Color
36, 27.779, 178.907

Protanomaly
35, 14.119, 173.943

Deuteranomaly
35, 11.123, 191.405

Tritanomaly
36, 22.955, 194.969

Monochromacy



Original Color
36, 27.779, 178.907

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 14.113, 184.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 27.779, 178.907 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, 96, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 83)  
}
```

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, 96, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 27.779, 178.907 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, 96, 83) }
```

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

```
.border{ border-color:rgb(0, 96, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 96, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 96, 83); box-shadow:4px  
4px 4px 4px rgb(0, 96, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 27.779, 178.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 83) }
```

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

```
.background{ background-color: rgb(0, 96,  
83) }
```

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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