

Converting Colors

CIELCh(27, 36.516, 135.902)

Have a look what the booklet for
CIELCh(27, 36.516, 135.902)
contains.

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Color

CIELCh(27, 36.537, 136.040)

Conversions

Conversions Part 1

Format	Color
Hex	1E4916
RGB	30, 73, 22
RGB Percent	12%, 29%, 9%
CMY	0.8825, 0.7139, 0.9138
CMYK	0.59, 0.00, 0.70, 0.71
HSL	111°, 54%, 19%
HSV	111°, 70%, 29%
XYZ	3.0590, 5.0937, 1.5793
YIQ	54.3290, -9.2570, -24.9770

Conversions

Conversions Part 2

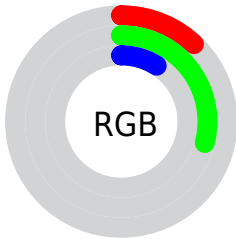
Format	Color
R_{YB}	22, 73, 65
Decimal	1984790
CIE _{Lab}	27.00, -26.30, 25.36
CIE _{LCh}	27, 36.537, 136.040
Yxy	5.0937, 0.3143, 0.5234
Android (android.graphics.Color)	4280174870 (0xFF1E4916)
YUV	54.3290, -15.9382, -21.3365
Hunter-Lab	22.5692, -15.3021, 11.6494

Details

The CIELCh color **27, 36.537, 136.040** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 36.930, 322.610**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 36.576, 135.880**, and **9, 22.100, 144.361** is the 20% darker color. If you saturate the color by 10%, you get **27, 40.592, 135.479**, and if you desaturate by 10%, it is **27, 31.930, 136.694**.

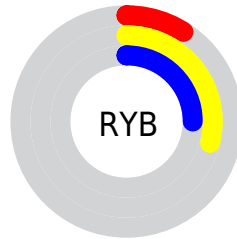
Distribution



Red (12%)

Green (29%)

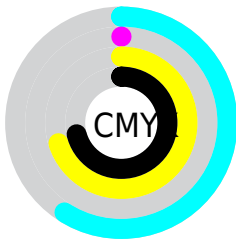
Blue (9%)



Red (9%)

Yellow (29%)

Blue (25%)

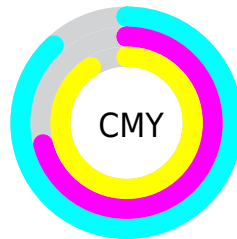


Cyan (59%)

Magenta (0%)

Yellow (70%)

Black (71%)



Cyan (88%)


Magenta (71%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 36.537, 136.040 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 27, 36.537, 136.040 by changing the saturation by 10% instead.

 27, 36.537,
136.040


 27, 36.537,
136.040

 100, 36.537,
136.040


 17, 36.537,
136.040


 47, 36.537,
136.040


 7, 36.537, 136.040

 57, 36.537,
136.040

 0, 36.537, 136.040

 67, 36.537,
136.040

 77, 36.537,
136.040

 87, 36.537,
136.040

 97, 36.537,

136.040

■ 27, 36.537,
136.040

■ 27, 36.537,
136.040

■ 27, 40.592,
135.479

■ 27, 31.930,
136.694

■ 26, 43.970,
135.042

■ 28, 26.935,
137.370

■ 26, 47.207,
134.277

■ 28, 21.687,
138.024

■ 26, 47.241,
134.267

■ 29, 16.292,
138.633

■ 30, 10.830,
139.185

■ 30, 5.363, 139.683

■ 31, 0.063, 318.384

■ 32, 5.414, 320.448

■ 33, 10.667,
320.783

Harmonies

Complementary

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



27, 36.537, 136.040



16, 36.930, 322.610

Rectangle

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



27, 36.537, 136.040



27, 36.537, 186.040



27, 36.537, 316.040



27, 36.537, 6.040

Sweetspot

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



27, 36.537, 136.041



38, 14.155, 139.084



27, 26.676, 95.104



19, 9.664, 139.013



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 36.537, 136.041



35, 51.377, 135.178



27, 30.094, 149.025



14, 2.964, 139.747



36, 58.906, 134.594



79, 108.484, 135.212

Inverse Universe

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



16, 36.930, 322.610



20, 51.530, 322.750



17, 30.107, 341.179



13, 2.977, 320.415



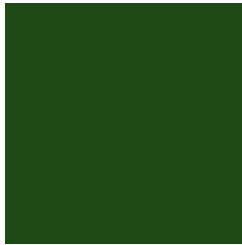
19, 58.625, 322.577



48, 107.235, 322.175

Previews

White Background



This preview shows how the CIELCh color 27, 36.537, 136.040 looks on a white background.

Color Contrast Check

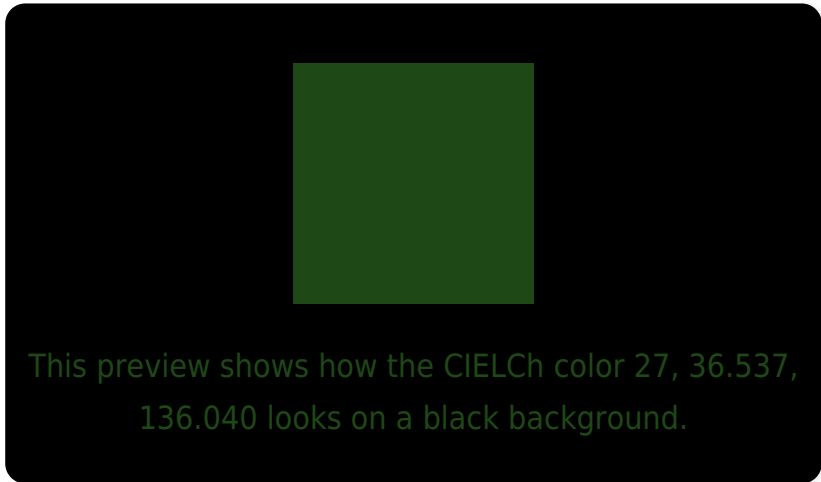
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

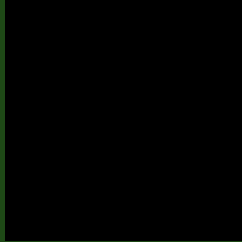
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 36.537, 136.040

Background



This preview shows how black text looks on a background with the CIELCh color 27, 36.537, 136.040.



This preview shows how white text looks on a background with the CIELCh color 27, 36.537, 136.040.

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

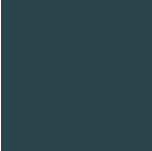
27, 36.537, 136.040

Protanopia

27, 27.323, 96.809

Deuteranopia

27, 24.379, 82.394



Tritanopia
27, 10.850, 219.213

Trichromacy



Original Color
27, 36.537, 136.040

Protanomaly
26, 28.617, 115.923

Deuteranomaly
26, 24.950, 109.858

Tritanomaly
27, 17.075, 161.897

Monochromacy



Original Color
27, 36.537, 136.040

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 14.613, 138.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 36.537, 136.040 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(30, 73, 22)` looks like.

```
.text, #text, p{  
    color:rgb(30, 73, 22)  
}
```

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(30, 73, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 73, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 36.537, 136.040 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(30, 73, 22) }
```

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

```
.border{ border-color:rgb(30, 73, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 73, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 73, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 73, 22);  
box-shadow:4px 4px 4px 4px rgb(30, 73, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 36.537, 136.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 73, 22) }
```

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

```
.background{ background-color: rgb(30, 73,  
22) }
```

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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