

Converting Colors

CIELCh(32, 31.634, 169.391)

Have a look what the booklet for
CIELCh(32, 31.634, 169.391)
contains.

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Color

CIELCh(32, 29.673, 167.513)

Conversions

Conversions Part 1

Format	Color
Hex	005640
RGB	0, 86, 64
RGB Percent	0%, 34%, 25%
CMY	1.0000, 0.6612, 0.7474
CMYK	1.00, 0.00, 0.25, 0.66
HSL	165°, 100%, 17%
HSV	165°, 100%, 34%
XYZ	4.2829, 7.0852, 6.0558
YIQ	57.7780, -44.1940, -25.0740

Conversions

Conversions Part 2

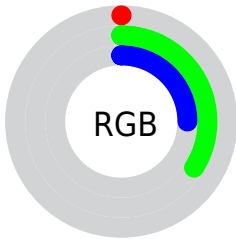
Format	Color
RYB	0, 49, 86
Decimal	22080
CIELab	32.00, -28.97, 6.42
CIELCh	32, 29.673, 167.513
Yxy	7.0852, 0.2458, 0.4066
Android (android.graphics.Color)	4278212160 (0xFF005640)
YUV	57.7780, 3.0674, -50.6713
Hunter-Lab	26.6180, -17.8600, 5.1436

Details

The CIELCh color **32, 29.673, 167.513** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 39.678, 20.229**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 29.091, 167.854**, and **13, 21.022, 157.517** is the 20% darker color. If you saturate the color by 10%, you get **32, 29.567, 167.420**, and if you desaturate by 10%, it is **32, 27.813, 168.932**.

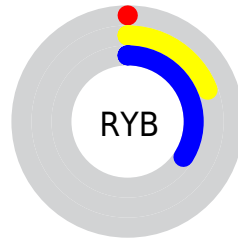
Distribution



Red (0%)

Green (34%)

Blue (25%)



Red (0%)

Yellow (19%)

Blue (34%)

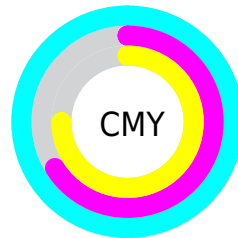


Cyan (100%)

Magenta (0%)

Yellow (25%)

Black (66%)



Cyan (100%)


Magenta (66%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 29.673, 167.513 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 32, 29.673, 167.513 by changing the saturation by 10% instead.


 32, 29.673,
167.513


 32, 29.673,
167.513

 100, 29.673,
167.513


 22, 29.673,
167.513

 52, 29.673,
167.513


 12, 29.673,
167.513


 62, 29.673,
167.513

 2, 29.673, 167.513

 72, 29.673,
167.513

 0, 29.673, 167.513

 82, 29.673,
167.513

 92, 29.673,
167.513

■ 32, 29.673,
167.513

■ 32, 29.673,
167.513

■ 32, 29.567,
167.420

■ 32, 27.813,
168.932

■ 32, 25.956,
170.521

■ 33, 23.717,
171.963

■ 33, 21.103,
173.270

■ 33, 18.146,
174.461

■ 34, 14.892,
175.555

■ 35, 11.396,
176.570

■ 35, 7.714, 177.522

Harmonies

Complementary

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



32, 29.673, 167.513



16, 39.678, 20.229

Rectangle

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



32, 29.673, 167.513



32, 29.673, 217.513



32, 29.673, 347.513



32, 29.673, 37.513

Sweetspot

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



32, 29.567, 167.420



45, 14.115, 176.472



32, 52.191, 132.747



22, 9.481, 176.225



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 29.567, 167.420



42, 35.863, 166.701



26, 20.163, 239.036



17, 2.190, 178.555



40, 34.643, 166.818



83, 62.878, 165.361

Inverse Universe

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



16, 39.678, 20.229



22, 48.180, 22.298



18, 40.051, 42.611



16, 2.251, 359.896



21, 46.528, 21.964



49, 84.925, 26.067

Previews

White Background



This preview shows how the CIELCh color 32, 29.673, 167.513 looks on a white background.

Color Contrast Check

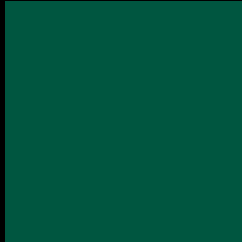
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 29.673, 167.513 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 32, 29.673, 167.513

Background



This preview shows how black text looks on a background with the CIELCh color 32, 29.673, 167.513.



This preview shows how white text looks on a background with the CIELCh color 32, 29.673, 167.513.

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

32, 29.527, 167.296

Protanopia

32, 10.345, 95.166

Deuteranopia

32, 7.117, 52.081



Tritanopia
32, 17.968, 211.563

Trichromacy



Original Color
32, 29.527, 167.296

Protanomaly
31, 16.701, 153.947

Deuteranomaly
31, 12.542, 160.110

Tritanomaly
32, 20.934, 191.265

Monochromacy



Original Color
32, 29.527, 167.296

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 13.821, 174.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 29.673, 167.513 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, 86, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 86, 64)  
}
```

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, 86, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 86, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 29.673, 167.513 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, 86, 64) }
```

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

```
.border{ border-color:rgb(0, 86, 64) }
```

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

Here you see how a box with a 4 pixel rgb(0, 86, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 86, 64); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 86, 64); box-shadow:4px  
4px 4px 4px rgb(0, 86, 64) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 29.673, 167.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 86, 64) }
```

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

```
.background{ background-color: rgb(0, 86,  
64) }
```

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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