

Converting Colors

CIELCh(32, 36.169, 167.137)

Have a look what the booklet for
CIELCh(32, 36.169, 167.137)
contains.

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Color

CIELCh(33, 31.475, 163.972)

Conversions

Conversions Part 1

Format	Color
Hex	02593F
RGB	2, 89, 63
RGB Percent	1%, 35%, 25%
CMY	0.9923, 0.6505, 0.7528
CMYK	0.98, 0.00, 0.29, 0.65
HSL	162°, 96%, 18%
HSV	162°, 98%, 35%
XYZ	4.5055, 7.5373, 5.9258
YIQ	60.0230, -43.5060, -26.5300

Conversions

Conversions Part 2

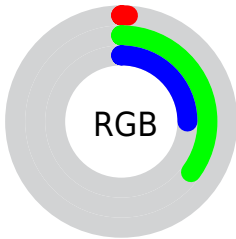
Format	Color
R_{YB}	2, 53, 89
Decimal	153919
CIE _{Lab}	33.00, -30.25, 8.69
CIE _{LCh}	33, 31.475, 163.972
Yxy	7.5373, 0.2507, 0.4195
Android (android.graphics.Color)	4278343999 (0xFF02593F)
YUV	60.0230, 1.4677, -50.8862
Hunter-Lab	27.4541, -18.7510, 6.4205

Details

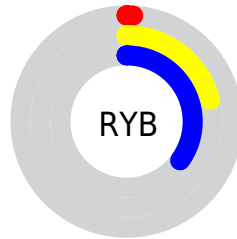
The CIELCh color **33, 31.475, 163.972** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **17, 39.229, 15.861**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 31.312, 164.056**, and **14, 22.824, 154.570** is the 20% darker color. If you saturate the color by 10%, you get **33, 31.915, 163.633**, and if you desaturate by 10%, it is **33, 29.509, 165.639**.

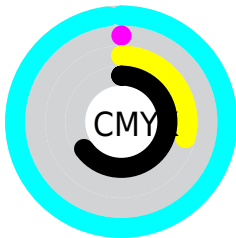
Distribution



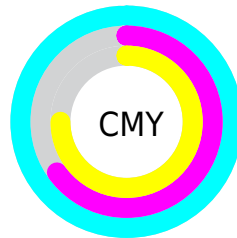
- Red (1%)
- Green (35%)
- Blue (25%)



- Red (1%)
- Yellow (21%)
- Blue (35%)



- Cyan (98%)
- Magenta (0%)
- Yellow (29%)
- Black (65%)





- Cyan (99%)
- Magenta (65%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 31.475, 163.972 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 33, 31.475, 163.972 by changing the saturation by 10% instead.


 33, 31.475,
163.972


 33, 31.475,
163.972

 100, 31.475,
163.972


 23, 31.475,
163.972

 53, 31.475,
163.972


 13, 31.475,
163.972


 63, 31.475,
163.972

 3, 31.475, 163.972

 73, 31.475,
163.972

 0, 31.475, 163.972

 83, 31.475,
163.972

 93, 31.475,
163.972

■ 33, 31.475,
163.972

■ 33, 31.475,
163.972

■ 33, 31.915,
163.633

■ 33, 29.509,
165.639

■ 33, 27.331,
167.301

■ 34, 24.760,
168.801

■ 34, 21.816,
170.155

■ 35, 18.539,
171.383

■ 35, 14.981,
172.504

■ 36, 11.201,
173.537

■ 36, 7.257, 174.502

Harmonies

Complementary

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



33, 31.475, 163.972



17, 39.229, 15.861

Rectangle

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



33, 31.475, 163.972



33, 31.475, 213.972



33, 31.475, 343.972



33, 31.475, 33.972

Sweetspot

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



33, 31.475, 163.971



46, 14.349, 173.325



33, 52.190, 132.241



23, 9.881, 173.041



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 31.475, 163.971



42, 38.538, 162.912



28, 20.101, 231.940



17, 2.246, 175.346



40, 36.593, 163.094



83, 66.639, 161.553

Inverse Universe

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



17, 39.229, 15.861



23, 48.036, 18.524



18, 41.071, 41.191



16, 2.300, 356.698



21, 45.646, 18.040



50, 82.789, 22.133

Previews

White Background



This preview shows how the CIELCh color 33, 31.475, 163.972 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 33, 31.475, 163.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

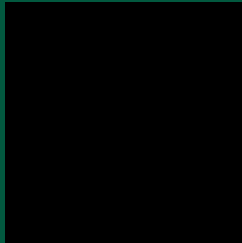
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 31.475, 163.972

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.475, 163.972.



This preview shows how white text looks on a background with the CIELCh color 33, 31.475, 163.972.

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

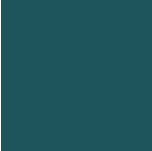
33, 31.418, 164.015

Protanopia

33, 12.713, 97.203

Deuteranopia

33, 8.668, 60.486



Tritanopia
33, 18.048, 211.458

Trichromacy



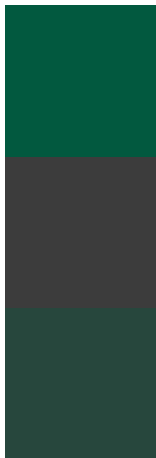
Original Color
33, 31.418, 164.015

Protanomaly
32, 18.514, 148.629

Deuteranomaly
32, 13.822, 154.166

Tritanomaly
33, 21.503, 187.963

Monochromacy



Original Color
33, 31.418, 164.015

Achromatopsia
25, 0.004, 296.813

Achromatomaly
28, 14.769, 170.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.475, 163.972 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(2, 89, 63)` looks like.

```
.text, #text, p{  
    color:rgb(2, 89, 63)  
}
```

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(2, 89, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 89, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.475, 163.972 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(2, 89, 63) }
```

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

```
.border{ border-color:rgb(2, 89, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 89, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 89, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 89, 63); box-shadow:4px  
4px 4px 4px rgb(2, 89, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.475, 163.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 89, 63) }
```

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

```
.background{ background-color: rgb(2, 89,  
63) }
```

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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