

Converting Colors

CIELCh(31, 24.850, 145.684)

Have a look what the booklet for
CIELCh(31, 24.850, 145.684)
contains.

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Color

CIELCh(31, 25.060, 145.240)

Conversions

Conversions Part 1

Format	Color
Hex	2D5132
RGB	45, 81, 50
RGB Percent	18%, 32%, 20%
CMY	0.8240, 0.6828, 0.8044
CMYK	0.45, 0.00, 0.38, 0.68
HSL	128°, 29%, 25%
HSV	128°, 45%, 32%
XYZ	4.5838, 6.6515, 4.0473
YIQ	66.7020, -11.5050, -17.2730

Conversions

Conversions Part 2

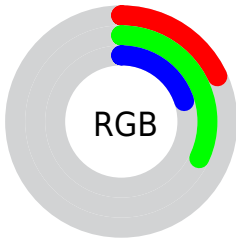
Format	Color
RYB	45, 77, 81
Decimal	2969906
CIELab	31.00, -20.59, 14.29
CIELCh	31, 25.060, 145.240
Yxy	6.6515, 0.2999, 0.4352
Android (android.graphics.Color)	4281159986 (0xFF2D5132)
YUV	66.7020, -8.2341, -19.0327
Hunter-Lab	25.7905, -13.4079, 8.7491

Details

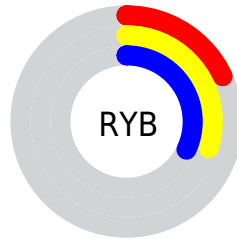
The CIELCh color **31, 25.060, 145.240** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 25.053, 330.948**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 25.059, 145.444**, and **11, 25.228, 144.934** is the 20% darker color. If you saturate the color by 10%, you get **30, 30.358, 144.203**, and if you desaturate by 10%, it is **32, 19.540, 146.156**.

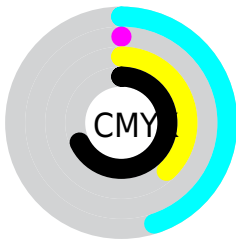
Distribution



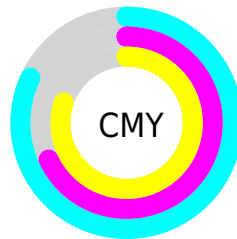
- Red (18%)
- Green (32%)
- Blue (20%)



- Red (18%)
- Yellow (30%)
- Blue (32%)



- Cyan (45%)
- Magenta (0%)
- Yellow (38%)
- Black (68%)





- Cyan (82%)
- Magenta (68%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 25.060, 145.240 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 31, 25.060, 145.240 by changing the saturation by 10% instead.


 31, 25.060,
145.240


 31, 25.060,
145.240

 100, 25.060,
145.240


 21, 25.060,
145.240

 51, 25.060,
145.240


 11, 25.060,
145.240


 61, 25.060,
145.240

 1, 25.060, 145.240

 71, 25.060,
145.240

 0, 25.060, 145.240

 81, 25.060,
145.240

 91, 25.060,
145.240

■ 31, 25.060,
145.240

■ 31, 25.060,
145.240

■ 30, 30.358,
144.203

■ 32, 19.540,
146.156

■ 30, 35.320,
143.044

■ 32, 13.892,
146.957

■ 30, 39.826,
141.781

■ 33, 8.200, 147.659

■ 29, 43.753,
140.451

■ 34, 2.530, 148.304

■ 35, 3.069, 328.718

■ 29, 47.064,
139.239

■ 36, 8.561, 329.208

■ 29, 48.684,
138.793

■ 37, 13.920,
329.615

■ 38, 19.131,
329.970

■ 39, 24.187,

Harmonies

Complementary

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



31, 25.060, 145.240



24, 25.053, 330.948

Rectangle

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



31, 25.060, 145.240



31, 25.060, 195.240



31, 25.060, 325.240



31, 25.060, 15.240

Sweetspot

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



31, 25.061, 145.240



43, 9.081, 147.728



33, 22.169, 112.321



21, 6.411, 147.634



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 25.061, 145.240



40, 36.479, 144.166



31, 16.956, 167.310



16, 3.172, 148.030



38, 58.970, 138.222



81, 108.225, 137.258

Inverse Universe

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



24, 25.053, 330.948



30, 36.291, 331.532



23, 18.592, 356.205



15, 3.180, 328.927



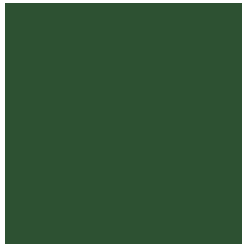
23, 54.117, 334.289



53, 96.363, 334.778

Previews

White Background



This preview shows how the CIELCh color 31, 25.060, 145.240 looks on a white background.

Color Contrast Check

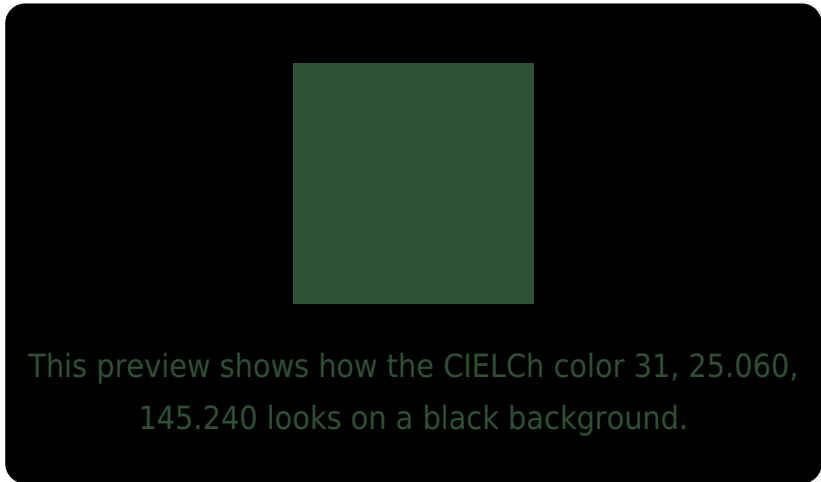
Large Text (above 18pt) WCAG AA ✓ Pass

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

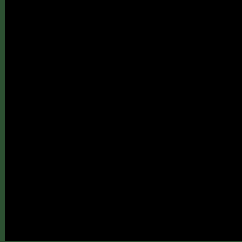
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 25.060, 145.240

Background



This preview shows how black text looks on a background with the CIELCh color 31, 25.060, 145.240.



This preview shows how white text looks on a background with the CIELCh color 31, 25.060, 145.240.

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

31, 25.060, 145.240

Protanopia

31, 16.608, 96.877

Deuteranopia

31, 13.966, 73.884



Tritanopia
31, 10.195, 220.318

Trichromacy



Original Color
31, 25.060, 145.240

Protanomaly
31, 18.017, 120.742

Deuteranomaly
31, 14.535, 113.142

Tritanomaly
31, 12.701, 176.870

Monochromacy



Original Color
31, 25.060, 145.240

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 9.181, 147.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 25.060, 145.240 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(45, 81, 50)` looks like.

```
.text, #text, p{  
    color:rgb(45, 81, 50)  
}
```

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(45, 81, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 81, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 25.060, 145.240 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(45, 81, 50) }
```

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

```
.border{ border-color:rgb(45, 81, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 81, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 81, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 81, 50);  
box-shadow:4px 4px 4px 4px rgb(45, 81, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 25.060, 145.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 81, 50) }
```

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

```
.background{ background-color: rgb(45, 81,  
50) }
```

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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