

Converting Colors

CIELCh(31, 45.660, 139.760)

Have a look what the booklet for
CIELCh(31, 45.660, 139.760)
contains.

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Color

CIELCh(31, 45.738, 139.679)

Conversions

Conversions Part 1

Format	Color
Hex	0F5516
RGB	15, 85, 22
RGB Percent	6%, 33%, 9%
CMY	0.9414, 0.6668, 0.9138
CMYK	0.82, 0.00, 0.74, 0.67
HSL	126°, 70%, 20%
HSV	126°, 82%, 33%
XYZ	3.5870, 6.6515, 1.8524
YIQ	56.8880, -21.4970, -34.4330

Conversions

Conversions Part 2

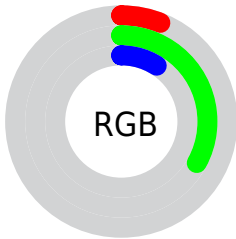
Format	Color
R_YB	15, 79, 85
Decimal	1004822
CIE Lab	31.00, -34.87, 29.60
CIE LCh	31, 45.738, 139.679
Yxy	6.6515, 0.2967, 0.5501
Android (android.graphics.Color)	4279194902 (0xFF0F5516)
YUV	56.8880, -17.1998, -36.7358
Hunter-Lab	25.7905, -20.3069, 13.7948

Details

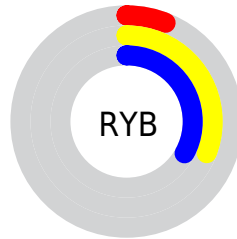
The CIELCh color **31, 45.738, 139.679** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 44.009, 331.528**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 45.781, 139.694**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 49.181, 138.506**, and if you desaturate by 10%, it is **31, 41.527, 140.931**.

Distribution



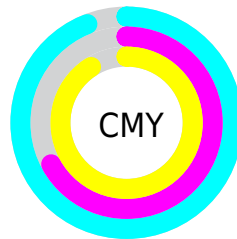
- Red (6%)
- Green (33%)
- Blue (9%)



- Red (6%)
- Yellow (31%)
- Blue (33%)



- Cyan (82%)
- Magenta (0%)
- Yellow (74%)
- Black (67%)





- Cyan (94%)
- Magenta (67%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 45.738, 139.679 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, 45.738, 139.679 by changing the saturation by 10% instead.


 31, 45.738,
139.679


 31, 45.738,
139.679

 100, 45.738,
139.679


 21, 45.738,
139.679

 51, 45.738,
139.679


 11, 45.738,
139.679


 61, 45.738,
139.679

 1, 45.738, 139.679

 71, 45.738,
139.679

 0, 45.738, 139.679

 81, 45.738,
139.679

 91, 45.738,
139.679

■ 31, 45.738,
139.679

■ 31, 45.738,
139.679

■ 31, 49.181,
138.506

■ 31, 41.527,
140.931

■ 31, 51.389,
137.940

■ 32, 36.668,
142.138

■ 32, 31.312,
143.254

■ 33, 25.600,
144.257

■ 33, 19.659,
145.143

■ 34, 13.596,
145.917

■ 35, 7.499, 146.595

■ 36, 1.439, 147.259

Harmonies

Complementary

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



31, 45.738, 139.679



19, 44.009, 331.528

Rectangle

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



31, 45.738, 139.679



31, 45.738, 189.679



31, 45.738, 319.679



31, 45.738, 9.679

Sweetspot

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



31, 45.738, 139.680



44, 18.734, 145.664



34, 38.975, 108.814



22, 12.883, 145.500



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 45.738, 139.680



40, 61.797, 137.549



32, 30.345, 159.789



17, 3.433, 146.821



39, 60.993, 137.524



81, 110.450, 136.756

Inverse Universe

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



19, 44.009, 331.528



24, 57.364, 332.403



18, 33.745, 1.724



16, 3.441, 327.715



24, 56.636, 332.434



54, 100.176, 332.749

Previews

White Background



This preview shows how the CIELCh color 31, 45.738, 139.679 looks on a white background.

Color Contrast Check

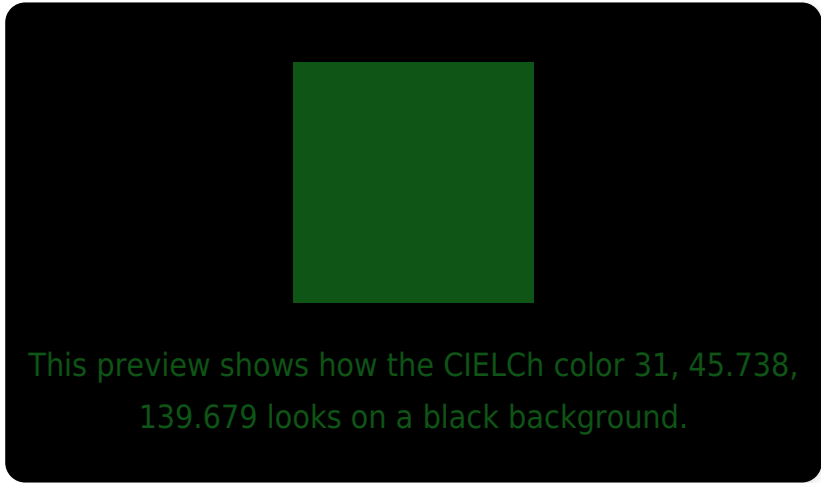
Large Text (above 18pt) WCAG AA ✓ Pass

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

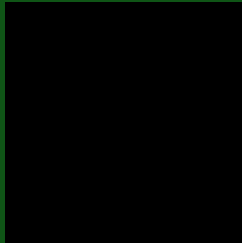
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 45.738, 139.679

Background



This preview shows how black text looks on a background with the CIELCh color 31, 45.738, 139.679.



This preview shows how white text looks on a background with the CIELCh color 31, 45.738, 139.679.

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

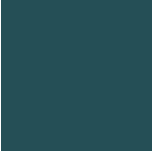
31, 45.738, 139.679

Protanopia

31, 32.273, 95.799

Deuteranopia

31, 28.116, 81.088



Tritanopia
31, 15.066, 214.862

Trichromacy



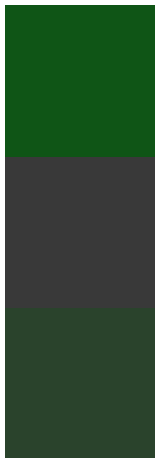
Original Color
31, 45.738, 139.679

Protanomaly
30, 34.712, 119.875

Deuteranomaly
30, 30.079, 116.248

Tritanomaly
31, 22.955, 166.161

Monochromacy



Original Color
31, 45.738, 139.679

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 18.824, 144.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 45.738, 139.679 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(15, 85, 22)` looks like.

```
.text, #text, p{  
    color:rgb(15, 85, 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(15, 85, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 85, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 45.738, 139.679 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(15, 85, 22) }
```

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

```
.border{ border-color:rgb(15, 85, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 85, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 85, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 85, 22);  
box-shadow:4px 4px 4px 4px rgb(15, 85, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 45.738, 139.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 85, 22) }
```

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

```
.background{ background-color: rgb(15, 85,  
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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