

Converting Colors

CIELCh(29, 31.994, 135.504)

Have a look what the booklet for
CIELCh(29, 31.994, 135.504)
contains.

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Color

CIELCh(29, 32.220, 135.711)

Conversions

Conversions Part 1

Format	Color
Hex	294D20
RGB	41, 77, 32
RGB Percent	16%, 30%, 13%
CMY	0.8403, 0.6991, 0.8755
CMYK	0.47, 0.00, 0.59, 0.70
HSL	108°, 41%, 21%
HSV	108°, 59%, 30%
XYZ	3.7955, 5.8380, 2.2753
YIQ	61.1060, -7.0110, -21.6270

Conversions

Conversions Part 2

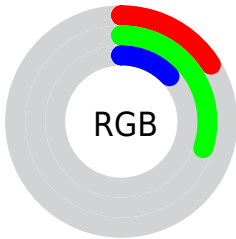
Format	Color
R_{YB}	32, 77, 68
Decimal	2706720
CIE Lab	29.00, -23.06, 22.50
CIE LCh	29, 32.220, 135.711
Yxy	5.8380, 0.3187, 0.4902
Android (android.graphics.Color)	4280896800 (0xFF294D20)
YUV	61.1060, -14.3493, -17.6330
Hunter-Lab	24.1619, -14.2437, 11.3302

Details

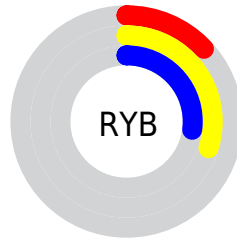
The CIELCh color **29, 32.220, 135.711** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **19, 32.856, 321.026**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 31.777, 135.998**, and **10, 24.116, 144.119** is the 20% darker color. If you saturate the color by 10%, you get **29, 37.031, 135.131**, and if you desaturate by 10%, it is **29, 27.036, 136.327**.

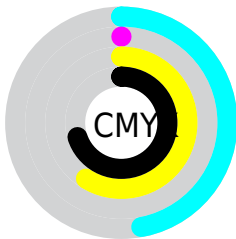
Distribution



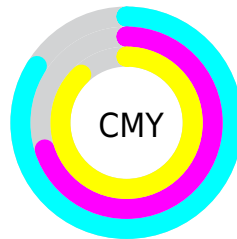
- Red (16%)
- Green (30%)
- Blue (13%)



- Red (13%)
- Yellow (30%)
- Blue (27%)



- Cyan (47%)
- Magenta (0%)
- Yellow (59%)
- Black (70%)





- Cyan (84%)
- Magenta (70%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 32.220, 135.711 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 29, 32.220, 135.711 by changing the saturation by 10% instead.

 29, 32.220,
135.711


 29, 32.220,
135.711

 100, 32.220,
135.711


 19, 32.220,
135.711


 49, 32.220,
135.711


 9, 32.220, 135.711

 59, 32.220,
135.711

 0, 32.220, 135.711

 69, 32.220,
135.711

 79, 32.220,
135.711

 89, 32.220,
135.711

 99, 32.220,

135.711

■ 29, 32.220,
135.711

■ 29, 32.220,
135.711

■ 29, 37.031,
135.131

■ 29, 27.036,
136.327

■ 28, 41.297,
134.653

■ 30, 21.611,
136.930

■ 28, 44.838,
134.359

■ 31, 16.049,
137.497

■ 28, 48.179,
133.774

■ 31, 10.428,
138.016

■ 28, 48.642,
133.662

■ 32, 4.808, 138.490

■ 33, 0.769, 318.739

■ 34, 6.269, 319.217

■ 34, 11.671,
319.536

■ 35, 16.959,
319.810

Harmonies

Complementary

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



29, 32.220, 135.711



19, 32.856, 321.026

Rectangle

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



29, 32.220, 135.711



29, 32.220, 185.711



29, 32.220, 315.711



29, 32.220, 5.711

Sweetspot

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



29, 32.220, 135.712



40, 12.494, 138.015



29, 23.033, 94.084



20, 8.757, 137.927



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 32.220, 135.712



37, 46.379, 134.925



29, 27.565, 149.174



15, 3.104, 138.488



37, 59.571, 134.086



80, 108.784, 134.786

Inverse Universe

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



19, 32.856, 321.026



23, 47.248, 321.317



20, 27.724, 338.461



14, 3.120, 319.144



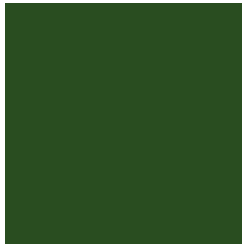
19, 59.999, 321.099



47, 108.789, 320.620

Previews

White Background



This preview shows how the CIELCh color 29, 32.220, 135.711 looks on a white background.

Color Contrast Check

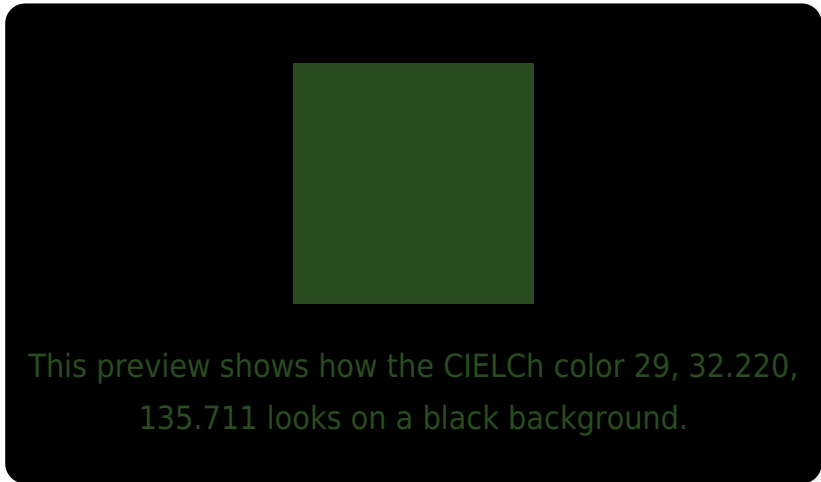
Large Text (above 18pt) WCAG AA ✓ Pass

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

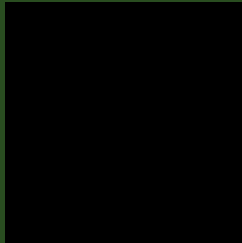
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 32.220, 135.711

Background



This preview shows how black text looks on a background with the CIELCh color 29, 32.220, 135.711.



This preview shows how white text looks on a background with the CIELCh color 29, 32.220, 135.711.

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

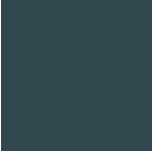
29, 32.220, 135.711

Protanopia

29, 24.620, 95.685

Deuteranopia

29, 21.667, 79.322



Tritanopia
29, 9.604, 222.083

Trichromacy



Original Color
29, 32.220, 135.711

Protanomaly
29, 25.582, 114.373

Deuteranomaly
28, 21.884, 107.213

Tritanomaly
29, 14.631, 162.332

Monochromacy



Original Color
29, 32.220, 135.711

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 12.567, 136.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 32.220, 135.711 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(41, 77, 32)` looks like.

```
.text, #text, p{  
    color:rgb(41, 77, 32)  
}
```

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(41, 77, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 77, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 32.220, 135.711 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(41, 77, 32) }
```

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

```
.border{ border-color:rgb(41, 77, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 77, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 77, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 77, 32);  
box-shadow:4px 4px 4px 4px rgb(41, 77, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 32.220, 135.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 77, 32) }
```

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

```
.background{ background-color: rgb(41, 77,  
32) }
```

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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