

Converting Colors

CIELCh(30, 41.520, 135.210)

Have a look what the booklet for
CIELCh(30, 41.520, 135.210)
contains.

CIELCh(30, 41.359, 135.173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 41.359, 135.173)

Conversions

Conversions Part 1

Format	Color
Hex	205115
RGB	32, 81, 21
RGB Percent	13%, 32%, 8%
CMY	0.8748, 0.6826, 0.9179
CMYK	0.61, 0.00, 0.74, 0.68
HSL	109°, 59%, 20%
HSV	109°, 74%, 32%
XYZ	3.6664, 6.2359, 1.7170
YIQ	59.5090, -9.9440, -29.0480

Conversions

Conversions Part 2

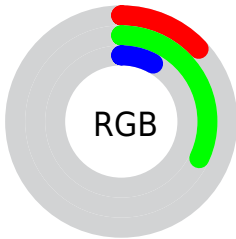
Format	Color
R_{YB}	21, 81, 70
Decimal	2117909
CIE _{Lab}	30.00, -29.33, 29.16
CIE _{LCh}	30, 41.359, 135.173
Yxy	6.2359, 0.3155, 0.5367
Android (android.graphics.Color)	4280307989 (0xFF205115)
YUV	59.5090, -18.9849, -24.1254
Hunter-Lab	24.9718, -17.4927, 13.4036

Details

The CIELCh color **30, 41.359, 135.173** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 41.959, 321.859**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 41.643, 135.189**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **30, 45.367, 134.761**, and if you desaturate by 10%, it is **30, 36.644, 135.740**.

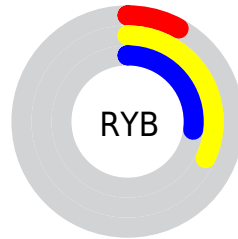
Distribution



Red (13%)

Green (32%)

Blue (8%)



Red (8%)

Yellow (32%)

Blue (27%)

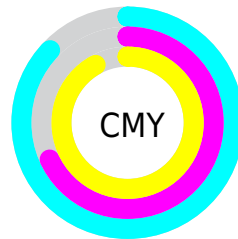


Cyan (61%)

Magenta (0%)

Yellow (74%)

Black (68%)



Cyan (87%)


Magenta (68%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 41.359, 135.173 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 30, 41.359, 135.173 by changing the saturation by 10% instead.


 30, 41.359,
135.173


 30, 41.359,
135.173

 100, 41.359,
135.173


 20, 41.359,
135.173


 50, 41.359,
135.173


 10, 41.359,
135.173

 60, 41.359,
135.173

 0, 41.359, 135.173

 70, 41.359,
135.173

 80, 41.359,
135.173

 90, 41.359,
135.173

■ 30, 41.359,
135.173

■ 30, 41.359,
135.173

■ 30, 45.367,
134.761

■ 30, 36.644,
135.740

■ 29, 48.695,
134.413

■ 31, 31.423,
136.375

■ 29, 50.675,
133.967

■ 31, 25.862,
137.017

■ 32, 20.091,
137.630

■ 33, 14.212,
138.195

■ 33, 8.298, 138.707

■ 34, 2.408, 139.188

■ 35, 3.417, 319.503

Harmonies

Complementary

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



30, 41.359, 135.173



18, 41.959, 321.859

Rectangle

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



30, 41.359, 135.173



30, 41.359, 185.173



30, 41.359, 315.173



30, 41.359, 5.173

Sweetspot

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



30, 41.359, 135.174



42, 16.009, 138.268



30, 30.138, 93.410



21, 10.846, 138.192



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 41.359, 135.174



38, 57.218, 134.609



30, 34.833, 147.604



16, 3.296, 138.964



38, 60.810, 134.335



81, 109.960, 134.969

Inverse Universe

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



18, 41.959, 321.859



21, 57.562, 321.819



18, 34.436, 340.884



15, 3.312, 319.643



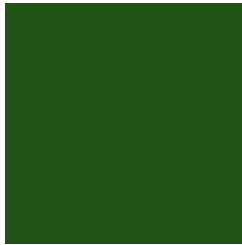
20, 60.925, 321.634



48, 109.440, 321.203

Previews

White Background



This preview shows how the CIELCh color 30, 41.359, 135.173 looks on a white background.

Color Contrast Check

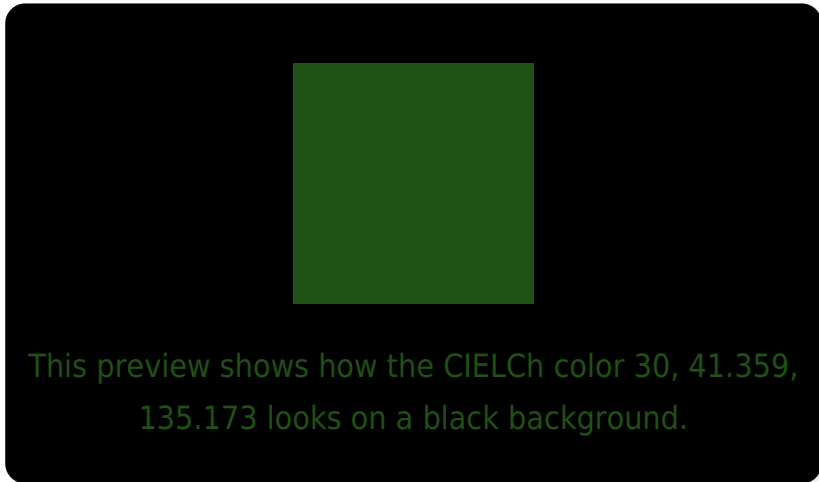
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 41.359, 135.173

Background



This preview shows how black text looks on a background with the CIELCh color 30, 41.359, 135.173.



This preview shows how white text looks on a background with the CIELCh color 30, 41.359, 135.173.

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](#).

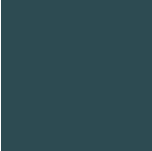
Dichromacy



Original Color
30, 41.359, 135.173

Protanopia
30, 31.720, 96.551

Deuteranopia
30, 27.968, 81.853



Tritanopia
30, 11.855, 220.334

Trichromacy



Original Color
30, 41.359, 135.173

Protanomaly
30, 33.509, 115.416

Deuteranomaly
29, 29.031, 108.715

Tritanomaly
30, 18.872, 161.436

Monochromacy



Original Color
30, 41.359, 135.173

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 16.533, 137.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 41.359, 135.173 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(32, 81, 21)` looks like.

```
.text, #text, p{  
    color:rgb(32, 81, 21)  
}
```

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(32, 81, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 81, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 41.359, 135.173 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(32, 81, 21) }
```

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

```
.border{ border-color:rgb(32, 81, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 81, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 81, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 81, 21);  
box-shadow:4px 4px 4px 4px rgb(32, 81, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 41.359, 135.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 81, 21) }
```

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

```
.background{ background-color: rgb(32, 81,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor