

Converting Colors

CIELCh(32, 77.380, 122.733)

Have a look what the booklet for
CIELCh(32, 77.380, 122.733)
contains.

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Color

CIELCh(32, 55.085, 135.365)

Conversions

Conversions Part 1

Format	Color
Hex	055800
RGB	5, 88, 0
RGB Percent	2%, 35%, 0%
CMY	0.9807, 0.6531, 1.0000
CMYK	0.94, 0.00, 1.00, 0.65
HSL	117°, 100%, 17%
HSV	117°, 100%, 35%
XYZ	3.5860, 7.0852, 1.1639
YIQ	53.1510, -21.2200, -44.9640

Conversions

Conversions Part 2

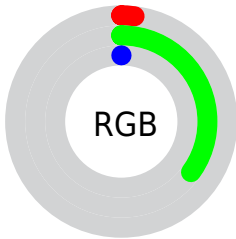
Format	Color
RYB	0, 88, 83
Decimal	350208
CIELab	32.00, -39.20, 38.70
CIELCh	32, 55.085, 135.365
Yxy	7.0852, 0.3030, 0.5987
Android (android.graphics.Color)	4278540288 (0xFF055800)
YUV	53.1510, -26.2034, -42.2284
Hunter-Lab	26.6180, -22.5335, 16.0401

Details

The CIELCh color **32, 55.085, 135.365** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 53.544, 326.208**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 54.765, 135.295**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **32, 54.935, 135.476**, and if you desaturate by 10%, it is **32, 51.815, 136.342**.

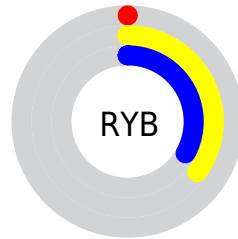
Distribution



Red (2%)

Green (35%)

Blue (0%)



Red (0%)

Yellow (35%)

Blue (33%)

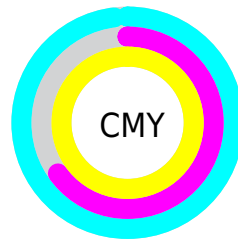


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (98%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 55.085, 135.365 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 32, 55.085, 135.365 by changing the saturation by 10% instead.


 32, 55.085,
135.365


 32, 55.085,
135.365

 100, 55.085,
135.365


 22, 55.085,
135.365

 52, 55.085,
135.365


 12, 55.085,
135.365


 62, 55.085,
135.365

 2, 55.085, 135.365

 72, 55.085,
135.365

 0, 55.085, 135.365

 82, 55.085,
135.365

 92, 55.085,
135.365

■ 32, 55.085,
135.365

■ 32, 55.085,
135.365

■ 32, 54.935,
135.476

■ 32, 51.815,
136.342

■ 32, 48.313,
136.998

■ 33, 43.792,
137.825

■ 33, 38.476,
138.724

■ 34, 32.588,
139.616

■ 34, 26.316,
140.451

■ 35, 19.813,
141.206

■ 36, 13.200,

141.875

■ 37, 6.570, 142.466

Harmonies

Complementary

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



32, 55.085, 135.365



18, 53.544, 326.208

Rectangle

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



32, 55.085, 135.365



32, 55.085, 185.365



32, 55.085, 315.365



32, 55.085, 5.365

Sweetspot

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



32, 54.935, 135.476



45, 24.550, 141.136



34, 42.813, 98.760



22, 16.871, 140.940



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 54.935, 135.476



42, 66.068, 135.611



32, 42.252, 147.864



17, 3.613, 142.535



39, 62.881, 135.578



81, 112.185, 135.842

Inverse Universe

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



18, 53.544, 326.208



25, 64.284, 326.143



17, 40.336, 353.105



16, 3.622, 323.334



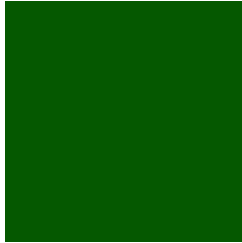
23, 61.209, 326.159



53, 108.835, 326.022

Previews

White Background



This preview shows how the CIELCh color 32, 55.085, 135.365 looks on a white background.

Color Contrast Check

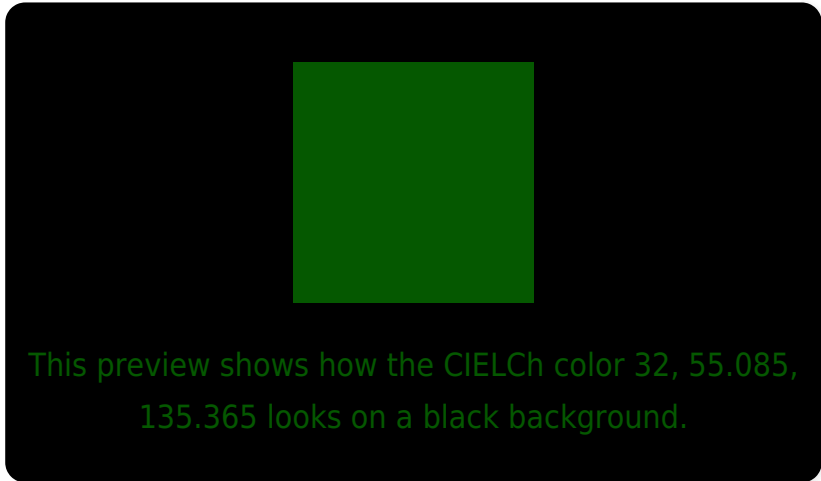
Large Text (above 18pt) WCAG AA ✓ Pass

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

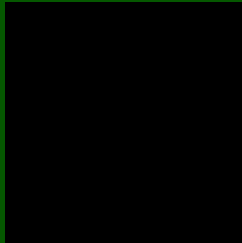
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 55.085, 135.365

Background



This preview shows how black text looks on a background with the CIELCh color 32, 55.085, 135.365.



This preview shows how white text looks on a background with the CIELCh color 32, 55.085, 135.365.

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
32, 54.728, 135.461

Protanopia
32, 40.661, 96.161

Deuteranopia
32, 33.989, 83.363



Tritanopia
32, 15.831, 213.835

Trichromacy



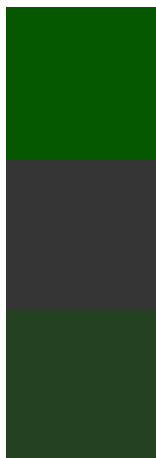
Original Color
32, 54.728, 135.461

Protanomaly
31, 44.232, 119.049

Deuteranomaly
31, 37.899, 115.820

Tritanomaly
31, 28.184, 158.447

Monochromacy



Original Color
32, 54.728, 135.461

Achromatopsia
22, 0.004, 296.813

Achromatomaly
25, 24.825, 139.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 55.085, 135.365 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(5, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 88, 0)  
}
```

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(5, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 88, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 55.085, 135.365 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(5, 88, 0) }
```

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

```
.border{ border-color:rgb(5, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(5, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 88, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 88, 0); box-shadow:4px  
4px 4px 4px rgb(5, 88, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 55.085, 135.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 88, 0) }
```

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

```
.background{ background-color: rgb(5, 88,  
0) }
```

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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