

Converting Colors

CIELCh(32, 63.845, 112.344)

Have a look what the booklet for
CIELCh(32, 63.845, 112.344)
contains.

CIELCh(32, 45.526, 119.701)	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>	26

Color

CIELCh(32, 45.526, 119.701)

Conversions

Conversions Part 1

Format	Color
Hex	385300
RGB	56, 83, 0
RGB Percent	22%, 33%, 0%
CMY	0.7792, 0.6732, 1.0000
CMYK	0.32, 0.00, 1.00, 0.67
HSL	79°, 100%, 16%
HSV	79°, 100%, 33%
XYZ	4.7630, 7.0852, 1.0983
YIQ	65.4650, 10.5510, -31.5370

Conversions

Conversions Part 2

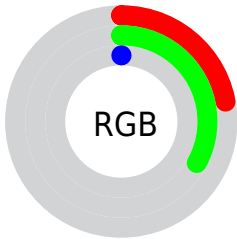
Format	Color
RYB	0, 83, 27
Decimal	3691264
CIELab	32.00, -22.56, 39.54
CIELCh	32, 45.526, 119.701
Yxy	7.0852, 0.3679, 0.5473
Android (android.graphics.Color)	4281881344 (0xFF385300)
YUV	65.4650, -32.2742, -8.3008
Hunter-Lab	26.6180, -14.6405, 16.1861

Details

The CIELCh color **32, 45.526, 119.701** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8, 56.758, 309.478**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 45.319, 120.242**, and **12, 27.624, 140.915** is the 20% darker color. If you saturate the color by 10%, you get **32, 45.309, 119.814**, and if you desaturate by 10%, it is **32, 42.237, 119.686**.

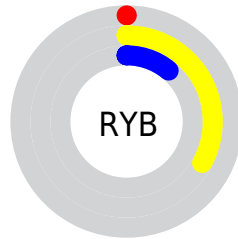
Distribution



Red (22%)

Green (33%)

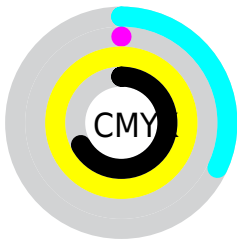
Blue (0%)



Red (0%)

Yellow (33%)

Blue (11%)

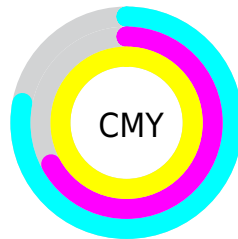


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (67%)



Cyan (78%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 45.526, 119.701 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, 45.526, 119.701 by changing the saturation by 10% instead.


 32, 45.526,
119.701


 32, 45.526,
119.701

 100, 45.526,
119.701


 22, 45.526,
119.701

 52, 45.526,
119.701


 12, 45.526,
119.701


 62, 45.526,
119.701

 2, 45.526, 119.701

 72, 45.526,
119.701

 0, 45.526, 119.701

 82, 45.526,
119.701

 92, 45.526,
119.701

■ 32, 45.526,
119.701

■ 32, 45.526,
119.701

■ 32, 45.309,
119.814

■ 32, 42.237,
119.686

■ 32, 39.117,
119.475

■ 33, 35.270,
119.540

■ 33, 30.872,
119.807

■ 33, 26.097,
120.203

■ 34, 21.075,
120.674

■ 34, 15.898,
121.182

■ 35, 10.631,

121.702

■ 35, 5.320, 122.219

Harmonies

Complementary

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



32, 45.526, 119.701



8, 56.758, 309.478

Rectangle

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



32, 45.526, 119.701



32, 45.526, 169.701



32, 45.526, 299.701



32, 45.526, 349.701

Sweetspot

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



32, 45.309, 119.814



44, 19.550, 121.131



18, 37.344, 47.496



21, 13.167, 121.010



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 45.309, 119.814



41, 54.124, 120.288



30, 51.722, 134.013



16, 2.921, 122.286



40, 53.197, 120.247



84, 96.038, 121.253

Inverse Universe

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



8, 56.758, 309.478



12, 67.876, 309.148



15, 52.001, 321.813



15, 2.968, 303.153



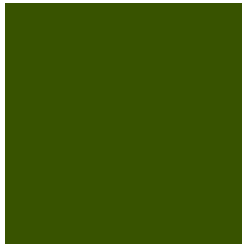
12, 66.707, 309.176



33, 120.613, 308.519

Previews

White Background



This preview shows how the CIELCh color 32, 45.526, 119.701 looks on a white background.

Color Contrast Check

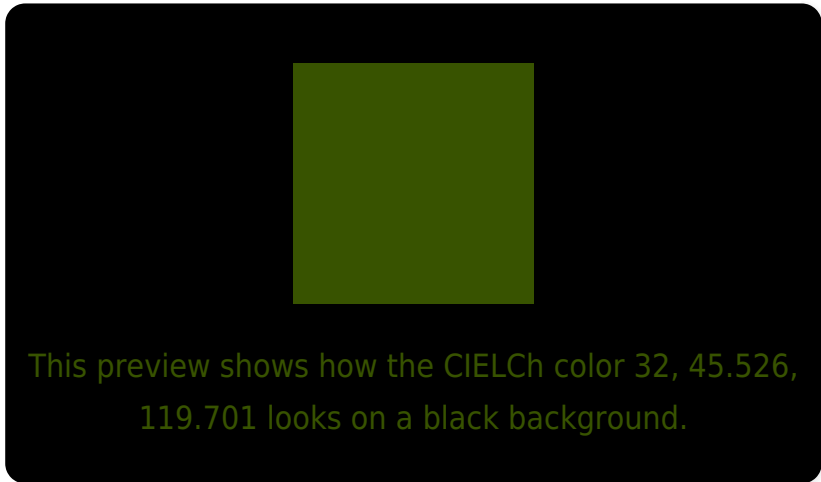
Large Text (above 18pt) WCAG AA ✓ Pass

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

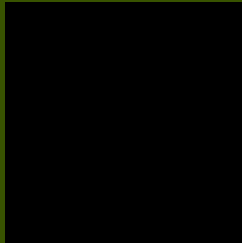
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 45.526, 119.701

Background



This preview shows how black text looks on a background with the CIELCh color 32, 45.526, 119.701.



This preview shows how white text looks on a background with the CIELCh color 32, 45.526, 119.701.

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, 45.196, 119.849

Deuteranopia

32, 35.050, 82.781

Tritanopia

32, 6.462, 242.446

Trichromacy



Original Color
32, 45.196, 119.849

Deuteranomaly
31, 36.506, 98.550

Tritanomaly
32, 18.075, 132.873

Monochromacy



Original Color
32, 45.196, 119.849

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 19.466, 121.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 45.526, 119.701 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(56, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(56, 83, 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(56, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 45.526, 119.701 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(56, 83, 0) }
```

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

```
.border{ border-color:rgb(56, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 83, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(56, 83, 0); box-shadow:4px  
4px 4px 4px rgb(56, 83, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 45.526, 119.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 83, 0) }
```

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

```
.background{ background-color: rgb(56, 83,  
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](#).

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