

Converting Colors

CIELCh(32, 42.051, 128.494)

Have a look what the booklet for
CIELCh(32, 42.051, 128.494)
contains.

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Color

CIELCh(32, 42.039, 128.544)

Conversions

Conversions Part 1

Format	Color
Hex	2F5512
RGB	47, 85, 18
RGB Percent	18%, 33%, 7%
CMY	0.8170, 0.6679, 0.9307
CMYK	0.45, 0.00, 0.79, 0.67
HSL	94°, 65%, 20%
HSV	94°, 79%, 33%
XYZ	4.4866, 7.0852, 1.6889
YIQ	66.0000, -1.1410, -28.8930

Conversions

Conversions Part 2

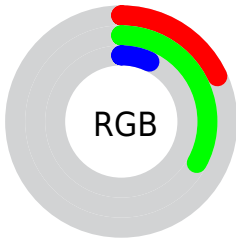
Format	Color
R_{YB}	18, 85, 56
Decimal	3101970
CIE _{Lab}	32.00, -26.20, 32.88
CIE _{LCh}	32, 42.039, 128.544
Yxy	7.0852, 0.3383, 0.5343
Android (android.graphics.Color)	4281292050 (0xFF2F5512)
YUV	66.0000, -23.6640, -16.6630
Hunter-Lab	26.6180, -16.4946, 14.8706

Details

The CIELCh color $32, 42.039, 128.544$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $15, 45.843, 314.351$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $52, 41.784, 128.547$, and $12, 29.257, 142.684$ is the 20% darker color. If you saturate the color by 10%, you get $32, 45.609, 128.738$, and if you desaturate by 10%, it is $32, 37.723, 128.634$.

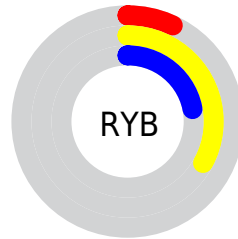
Distribution



Red (18%)

Green (33%)

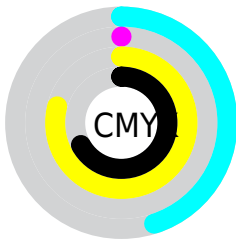
Blue (7%)



Red (7%)

Yellow (33%)

Blue (22%)

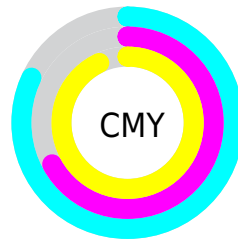


Cyan (45%)

Magenta (0%)

Yellow (79%)

Black (67%)



Cyan (82%)

Magenta (67%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 42.039, 128.544 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, 42.039, 128.544 by changing the saturation by 10% instead.


 32, 42.039,
128.544

 32, 42.039,
128.544

 100, 42.039,
128.544

 22, 42.039,
128.544

 52, 42.039,
128.544


 12, 42.039,
128.544

 62, 42.039,
128.544

 2, 42.039, 128.544

 72, 42.039,
128.544

 0, 42.039, 128.544

 82, 42.039,
128.544

 92, 42.039,
128.544

■ 32, 42.039,
128.544

■ 32, 42.039,
128.544

■ 32, 45.609,
128.738

■ 32, 37.723,
128.634

■ 31, 48.977,
128.815

■ 33, 32.861,
128.911

■ 31, 49.281,
128.801

■ 33, 27.629,
129.295

■ 34, 22.161,
129.730

■ 34, 16.554,
130.178

■ 35, 10.878,
130.618

■ 35, 5.184, 131.041

■ 36, 0.491, 311.259

Harmonies

Complementary

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



32, 42.039, 128.544



15, 45.843, 314.351

Rectangle

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



32, 42.039, 128.544



32, 42.039, 178.544



32, 42.039, 308.544



32, 42.039, 358.544

Sweetspot

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



32, 42.039, 128.545



44, 16.885, 130.371



26, 29.333, 72.232



22, 11.691, 130.272



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 42.039, 128.545



41, 57.647, 129.172



31, 45.201, 139.284



17, 3.236, 131.055



40, 58.342, 129.292



83, 104.858, 130.330

Inverse Universe

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



15, 45.843, 314.351



17, 63.617, 314.117



20, 43.883, 330.119



16, 3.270, 311.706



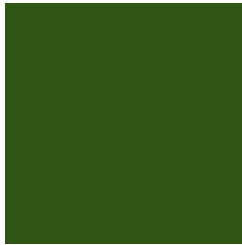
16, 64.670, 314.090



40, 115.639, 313.363

Previews

White Background



This preview shows how the CIELCh color 32, 42.039, 128.544 looks on a white background.

Color Contrast Check

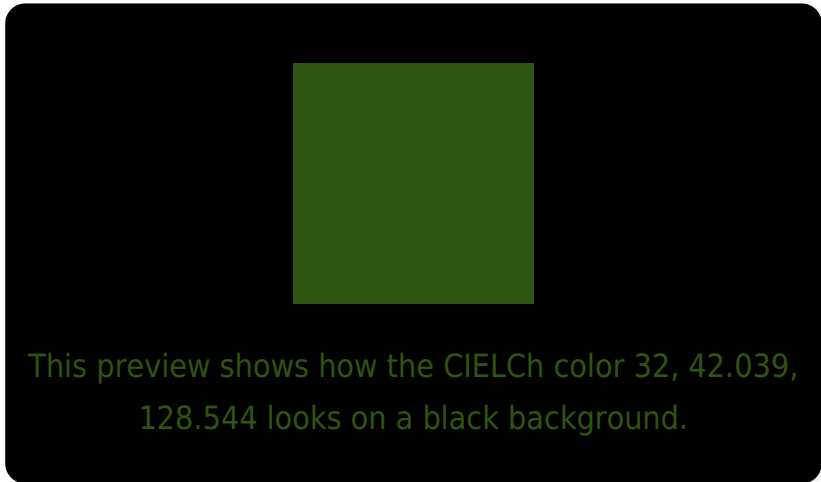
Large Text (above 18pt) WCAG AA ✓ Pass

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

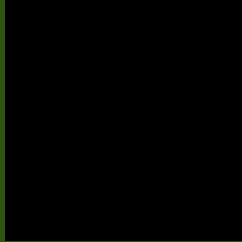
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 42.039, 128.544

Background



This preview shows how black text looks on a background with the CIELCh color 32, 42.039, 128.544.



This preview shows how white text looks on a background with the CIELCh color 32, 42.039, 128.544.

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

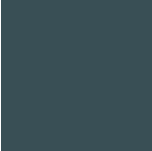
32, 42.039, 128.544

Protanopia

32, 34.960, 95.210

Deuteranopia

32, 31.259, 82.036



Tritanopia
32, 9.232, 222.786

Trichromacy



Original Color
32, 42.039, 128.544

Protanomaly
32, 36.107, 110.263

Deuteranomaly
31, 31.882, 103.411

Tritanomaly
32, 17.579, 151.169

Monochromacy



Original Color
32, 42.039, 128.544

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 17.148, 129.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 42.039, 128.544 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(47, 85, 18)` looks like.

```
.text, #text, p{  
    color:rgb(47, 85, 18)  
}
```

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(47, 85, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 85, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 42.039, 128.544 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(47, 85, 18) }
```

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

```
.border{ border-color:rgb(47, 85, 18) }
```

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

Here you see how a box with a 4 pixel rgb(47, 85, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 85, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 85, 18);  
box-shadow:4px 4px 4px 4px rgb(47, 85, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 42.039, 128.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 85, 18) }
```

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

```
.background{ background-color: rgb(47, 85,  
18) }
```

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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