

Converting Colors

CIELCh(28, 32.169, 120.916)

Have a look what the booklet for
CIELCh(28, 32.169, 120.916)
contains.

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Color

CIELCh(28, 32.342, 120.444)

Conversions

Conversions Part 1

Format	Color
Hex	364814
RGB	54, 72, 20
RGB Percent	21%, 28%, 8%
CMY	0.7885, 0.7179, 0.9219
CMYK	0.25, 0.00, 0.72, 0.72
HSL	81°, 57%, 18%
HSV	81°, 72%, 28%
XYZ	3.9553, 5.4574, 1.5032
YIQ	60.6900, 5.9640, -19.9880

Conversions

Conversions Part 2

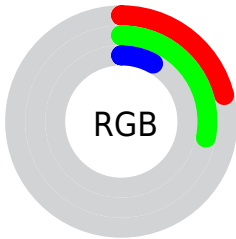
Format	Color
R_{YB}	20, 72, 38
Decimal	3557396
CIE _{Lab}	28.00, -16.39, 27.88
CIE _{LCh}	28, 32.342, 120.444
Yxy	5.4574, 0.3623, 0.4999
Android (android.graphics.Color)	4281747476 (0xFF364814)
YUV	60.6900, -20.0602, -5.8671
Hunter-Lab	23.3610, -10.6596, 12.5375

Details

The CIELCh color **28, 32.342, 120.444** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 37.236, 308.100**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 32.372, 120.432**, and **8, 19.618, 143.117** is the 20% darker color. If you saturate the color by 10%, you get **28, 35.743, 120.411**, and if you desaturate by 10%, it is **28, 28.456, 120.680**.

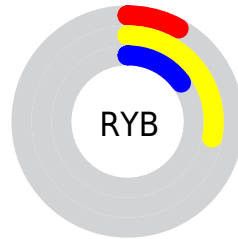
Distribution



Red (21%)

Green (28%)

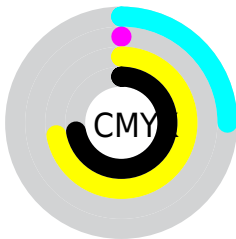
Blue (8%)



Red (8%)

Yellow (28%)

Blue (15%)

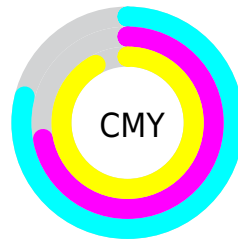


Cyan (25%)

Magenta (0%)

Yellow (72%)

Black (72%)



Cyan (79%)

Magenta (72%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 32.342, 120.444 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 28, 32.342, 120.444 by changing the saturation by 10% instead.

 28, 32.342,
120.444

 28, 32.342,
120.444

 100, 32.342,
120.444

 18, 32.342,
120.444

 48, 32.342,
120.444

 8, 32.342, 120.444

 58, 32.342,
120.444

 0, 32.342, 120.444

 68, 32.342,
120.444

 78, 32.342,
120.444

 88, 32.342,
120.444

 98, 32.342,

120.444

■ 28, 32.342,
120.444

■ 28, 32.342,
120.444

■ 28, 35.743,
120.411

■ 28, 28.456,
120.680

■ 28, 38.698,
120.535

■ 29, 24.232,
121.044

■ 27, 41.086,
120.513

■ 29, 19.785,
121.485

■ 29, 15.197,
121.965

■ 30, 10.525,
122.459

■ 30, 5.810, 122.950

■ 30, 1.081, 123.449

■ 31, 3.642, 303.865

■ 31, 8.342, 304.299

Harmonies

Complementary

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



28, 32.342, 120.444



12, 37.236, 308.100

Rectangle

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



28, 32.342, 120.444



28, 32.342, 170.444



28, 32.342, 300.444



28, 32.342, 350.444

Sweetspot

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



28, 32.342, 120.446



39, 13.005, 122.429



19, 23.510, 51.730



19, 8.809, 122.370



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 32.342, 120.446



36, 45.808, 120.591



27, 37.042, 135.696



14, 2.616, 123.131



38, 51.660, 121.133



83, 95.102, 122.242

Inverse Universe

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



12, 37.236, 308.100



13, 55.029, 309.022



16, 37.488, 322.337



13, 2.655, 303.934



11, 64.094, 309.579



32, 118.116, 308.847

Previews

White Background



This preview shows how the CIELCh color 28, 32.342, 120.444 looks on a white background.

Color Contrast Check

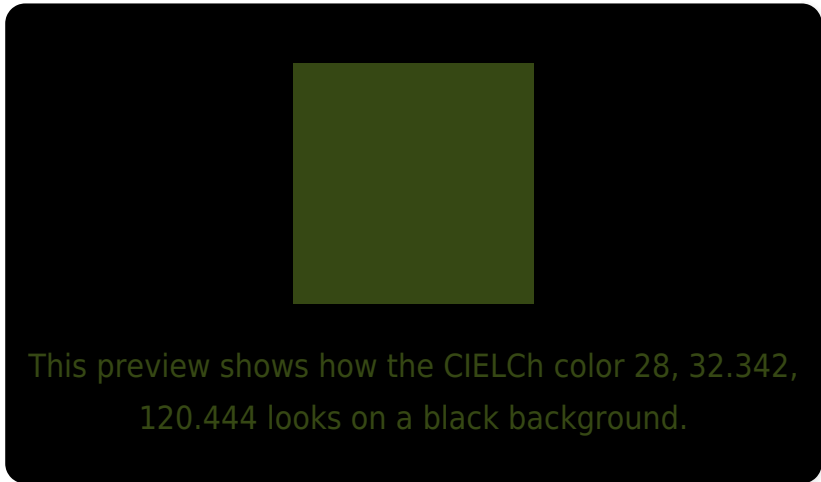
Large Text (above 18pt) WCAG AA ✓ Pass

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

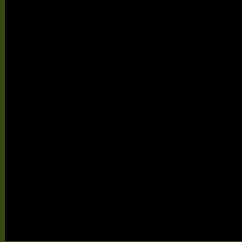
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 32.342, 120.444

Background



This preview shows how black text looks on a background with the CIELCh color 28, 32.342, 120.444.



This preview shows how white text looks on a background with the CIELCh color 28, 32.342, 120.444.

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

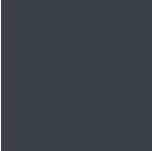
28, 32.342, 120.444

Protanopia

28, 29.375, 96.031

Deuteranopia

28, 27.163, 83.143



Tritanopia
28, 4.325, 247.758

Trichromacy



Original Color
28, 32.342, 120.444

Protanomaly
28, 29.495, 105.369

Deuteranomaly
28, 27.210, 98.072

Tritanomaly
28, 11.498, 134.411

Monochromacy



Original Color
28, 32.342, 120.444

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 12.714, 123.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 32.342, 120.444 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(54, 72, 20)` looks like.

```
.text, #text, p{  
    color:rgb(54, 72, 20)  
}
```

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(54, 72, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 72, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 32.342, 120.444 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(54, 72, 20) }
```

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

```
.border{ border-color:rgb(54, 72, 20) }
```

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

Here you see how a box with a 4 pixel rgb(54, 72, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 72, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 72, 20);  
box-shadow:4px 4px 4px 4px rgb(54, 72, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 32.342, 120.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 72, 20) }
```

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

```
.background{ background-color: rgb(54, 72,  
20) }
```

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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